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## Pearson New International Edition

A First Course in Probability Sheldon Ross Ninth Edition



## Solution manual - chapter 11

## Preapred by Darawan Abdulwahid

18. A rope drive transmits 75 kW through a 1.5 m diameter, 45° grooved pulley rotating at 200 r.p.m. The coefficient of friction between the ropes and the pulley grooves is 0.3 and the angle of lap is 160°. Each rope has a mass of 0.6 kg/m and can safely take a pull of 800 N. Taking centrifugal tension into account determine: 1. the number of ropes required for the drive, and 2. initial rope tension.
[Ans. 9; 510.2 N]

$$P = 75 kW = 75000W \qquad d1 = 1.5 m \qquad 2\beta = 45^{\circ} \qquad N1 = 200 \ r. \ p. \ m \qquad \mu = 0.3$$
 
$$\theta = 160^{\circ} \times \frac{\pi}{180} = 2.79 rad \qquad m = 0.6 kg \ per \ meter \qquad T = 800N \qquad n = ? \qquad T_o = ?$$

Solution:

$$v = \frac{\pi d1N1}{60} = \frac{\pi \times 1.5 \times 200}{60} = 15.7 \text{m/s}$$

$$\frac{T1}{T2} = e^{\mu\theta \times \frac{1}{8100}} = e^{0.3 \times 2.79 \times \frac{1}{81022.5}} = 8.91 \dots \text{a}$$

$$Tc = \text{mv}^2 = 0.6 \times (15.7)^2 = 148.04 \text{N}$$

sub a in b:

$$\frac{T1}{T2} = 8.91 \rightarrow T2 = \frac{651.955}{8.91} = 73.056N$$

$$P = (T1 - T2) \times v \rightarrow P = (651.955 - 73.056) \times 15.7 = 9088.714W = 9.09kW$$

$$\frac{Total power}{Total power} = \frac{75}{10.0000} = 9.25 = 9.00000$$

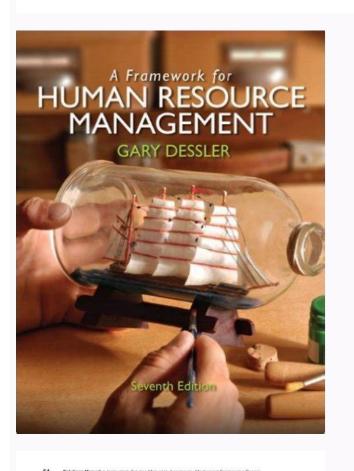
 $n = \frac{\text{Total power}}{\text{Power per belt}} = \frac{75}{9.09} = 8.25 = 9 \text{ belts}$ 

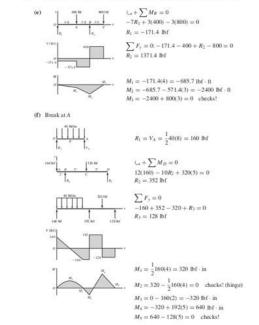
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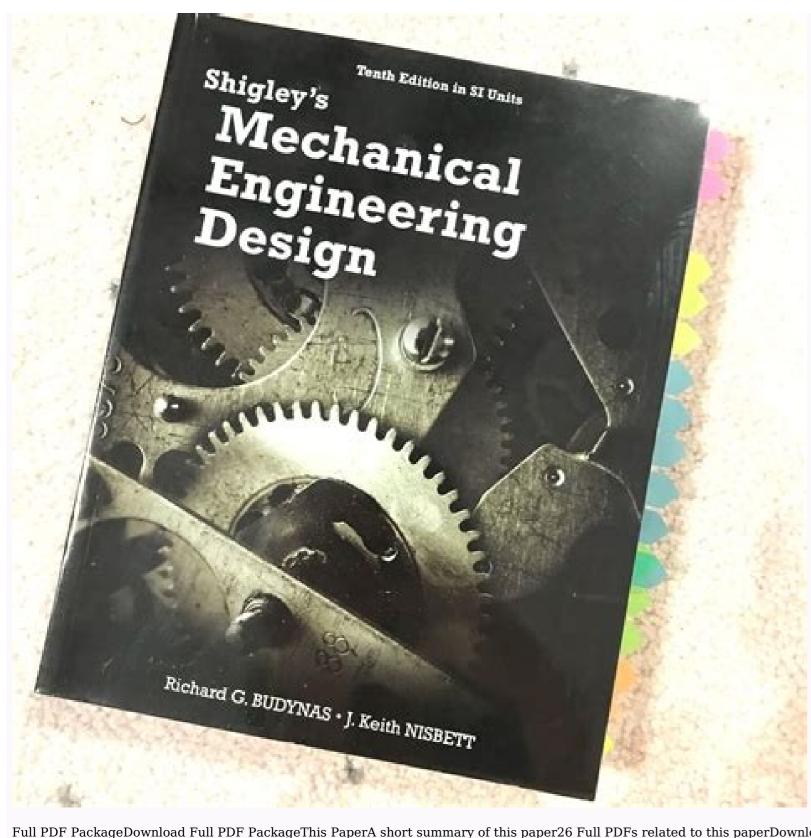
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Before joining Manulife, Sarah was national director of Deloitte's sustainability and social impact advice in Canada and led social innovation in Hitachi. He holds his PhD in Corporate Social Responsibility at the Center for Corporate Governance at the University of Technology, Sydney (Australia), the Master in Management at Bond University and a Bachelor's degree at the University of Western Ontario. Jay Chief Rossa's banking group Lloyds Banking group Lloyds Banking group Lloyds Banking Jay Cook, joined Lloyd's bank in January 2013 as Chief Risk Officer for North America and assumed additional responsibility for Europe and Asia in 2016. Jay has over 30 years of experience in the field and has joined RBS, where he has worked in the last four years in a variety of senior roles including Chief Risk Officer of RBS Americas, Citizens Financial Group and RBS NV Americas, where he has the responsibility of all aspects of risk management including credit, market, operational, regulatory, compliance, BSA/AML, Risk Analysis and Quality Assurance. Prior to his time at RBS Jay he had a number of senior roles in Citigroup, Canadian Imperial Bank of Commerce and Lehman Brothers. Si-Yeon Kim EVP, Chief Risk & Conformance Officer and Executive Chairman of ESG American Express Global Business Travel Si-Yeon Kim is Chief Risk and Commandal Officer and Executive Chairman of ESG (Environmental, Social and Governance) for American Express Global Business Travel (GBT), overseeing risk management, regulatory compliance and environmental, social and corporate governance mission. Inms. kim was chief compliance officer for one equity partners (oep) and assistant general adviser at jpmorgan chase & co. (jpmc). oep was the private equity of jpmc. jpmc.gnidulcni ,.proC laicnaniF EDART\*E ot lesnuoC sevitavireD & serutuF dedulcni ecneirepxe lanoisseforp suoiverp s¢aneebaS ,ICOB gninioj ot roirP .)ÂÂĞ¢ICOBÂÂĀ¢ ,ylevitcelloc( ARNIF fo rebmem dna Reled-Rekorb Deretsiger A, .cni) Asu (Lanoitanretni Cob DNA, Rebmem Gniraelc .cni Puorg Emc DNA TNAHCRem Noissimmoc Serutuf Deretsiger A, CL) Asu (Serutuff & Seitidommoc ICCBUSBUS END ICOB¢ (anoitanretnI cob A ¢ lanoitanretnI cob A ¢ lanoitanretnI cob A ¢ lanoitanretnI cob A A¢ lanoitanretnI cob A AÂÂÂÇ lanoitanretnI cob AAÎAÂÇ lanoitanretnI cob AÂÂÂÇ lanoitanretnI cob AAÎA lanoitanretnI cob AÂÂÂÂÇ lanoitanretnI cob AÂÂÂÂÂÇ lanoitanr knaB fo rebmem ,.cnI sgnidloH )ASU( lanoitanretnI COB lesnuoC lageL feihC ,reciffO gnitarepO feihC ytupeD etnociL aneebaS .reganam oiloftrop tnemtsevni na saw yT ,htuoSprocnaB gninioj ot roirP Â Ã.stroffe gnirednuaL yenoM-itnA /tcA ycerceS knaB dna ,tnemeganam Rodnev, tnemeganam Rodnev, tnemeganam ksir esirpretne, ecnailpmoc yrotaluger, scitylana atad rof elbisnop ser si maet sih ,reciffO ksiR feihC sa elor tnerruc sih nI Â Ã.gnitsacerof dna gniledom dna ,gninnalp etaroproc ,tnemeganam ksir tiderc ,tnemeganam teehs ecnalab ot gnitubirtnoc seitilibisnopser htiw snoitisop tnemeganam teehs ecnalab ot gnitubirtnoc seitilibisnopser htiw snoitisop tnemeganam teehs ecnalab ot gnitubirtnoc seitilibisnopser htiw snoitisop tnemeganam teehs ecnalab ot gnitubirtnoc seitilibisnopser htim snoitisop tn evitucexE roineS trebmaL vT. erutaretiL dna egaugnaL naissuR ni vtisrevinU lanoitaN luoeS morf. A.B reh dna seidutS lanoigeR naissuR ni vtisrevinU dravraH morf. D.j reh deviecer mik. sin pl ekrap & enruobdahc ta realac wal reh nageb ehs. kroy wen ni sretrauqdaeh etaroproc labolg sâcni, stcudoprp nova ta lesnuoc lareneg tnnatsissa. CIFICAP AISA Â "€ Ã ¢ Nova fo lesnuoc lareneg ent sa mik .sm, peo gninioj erofeb Ã.Seinapmoc oilofftrop sti dna peo rof sretam yrotaluger knab dna laicnif la vasrevo yhwhwh Clearing Corp. and E\*TRADE Securities Corp.; the Office of General Counsel at Merrill Lynch Pierce Fenner & Smith Incorporated, the Division of Enforcement at the Financial Industry Regulatory Authority, the Bank of New York Mellon¢ÃÂÂs Legal Division and the Securities Fraud Prosecution division of the Attorney General¢ÃÂAs Office for the State of New Jersey. Sabeena is a licensed attorney with a Juris Doctor from the St. John¢ÃÂÂS University School of Law. She also completed a visiting year at Fordham University School of Law. In addition to her law degree, she holds a Master of Arts in Criminology and Political Science from the University of Toronto. She also serves as a board member and Secretary to Bank of China International Fin Tech Advisory Group; Diversity Chair of the American Bar Association AAAs Business Law Committee AAA Futures and Derivatives Law Subcommittee, and committee member of the New York City Bar Association AAAs Foreign and Comparative Law Committee, and Derivatives and Futures Committee, Mandi McReynolds is an award-winning author, educator, and practitioner-scholar. She has spent her career building vice president, chief risk officer of Prudential Financial, Inc. In this role, Silitch oversees Prudential¢ÄÄs risk management infrastructure and risk profile across all business lines and works with internal corporate partners and business groups to identify, assess and prioritize risk across the company. Vivek Tyagi Chief Risk
Officer ¢Ã Transaction Banking at Goldman Sachs. He previously served as Division Risk Executive at SVB Financial, Bank of America, JP Morgan and Citigroup. Earlier in his career, executive with deep expertise in finance, risk management and capital markets at 500 financial institutions and fintech start-ups of private equity and venture capital Using data-based analysis and creating an inclusive culture for talent development. Paige is currently part of Morgan Bank N.A.'s Board of Directors and Morgan Stanley Private Bank He is currently a member of risk committees and audits. Over the past five years, Paige has been CFO of non-bank financial services, risk capital ownership and private equity companies, including Exeter Finance, Renewed America and Southern Management. During the 2008 financial crisis, Paige assumed the important role of Chief Enterprise Risk of Illinois, Chicago. John Asbury Atlantic Union Bank CEO John Asbury is CEO of Atlantic Union Bankshares corporation (NASDAQ: AUB), after joining the company for Atlantic Union Bank, which has approximately \$20 billion of assets and 135 banking offices throughout Virginia and parts of Maryland and North Carolina. Atlantic Union is the first and only state independent bank in Virginia in almost 20 years. Bill Collette Director, Market Development, Wolters Kluwer, Finance, Riskâ and Reporting Wolters Kluwer Bill has worked in the financial services space for over 20 years in several ecneirepxe esuoh-ni htiw rotucesorp laredef remrof a si itnopiccaF .rM elqinoGcM reciffO ycavirP feihC & redloherahS itnopiccaF eoJ .XIT dna ,skroWhtaM ,latipaC EG ta seiticapac tidua dna ecnanif Etroproc ni Devres DNA ,knab rednatnas m mra laicremmoc ytlaiceps eht rof oac ssenisusub dna rotcerid ksir tsrif to the devres ,knab ehcstued because kcin .EPS hcetnif eht imercnif noitsnianfi ,notitsnitsni tat sih ot roirP .trepxe yrotaluger niahckcolb decneirepxe na dna yenrotta desnecil a si eH .sredivorp ecivres tessa lautriv dna stessa lautriv dna stessa lautriv dna stessa lautriv dna stessa lautriv ot detaler seicilop ecnailpmoc fo noitacilppa dna tnempoleved eht ni trepxe na si sirhC .citpillE ta ecnailpmoC dna noitalugeR noitutitsnI laicnaniF rof rosivdA roineS eht si woPeD sirhC citpillE ecnailpmoC & noitalugeR noitutitsnI ÂlaicnaniF ¢ rosivdA roineS woPeD sirhC .srotcerid fo draob nwo rieht dna srotaluger troppus ot snoitutitsnI aicnanif detaluger troppus ot snoitutitsnI aicnanif detaluger troppus ot snoitutitsnI aicnanif detaluger dna ksir ,ecnanif detargetni gnireviled If llib is desucof .sraey 01 naht eram rof tnegemeganam cudorp Office for the southern district of New York, where he managed complex and high profile cases that involve a wide range of financial and IT crimes, including IT hacking, fraud, money laundering and intellectual property theft. It appeared regularly in the Federal Court of Manhattan, tried six cases for the verdict in the processes of the jury and the bench and discussed several appeals in front of the second circuit. In 2010, Facciponti received a prize of the FBI director for exceptional IT investigations, based on him to investigate and interrupt an important hacking ring of international computers that aimed at financial institutions. After leaving the United States prosecutor's office, Facciponti held a supervisory position in the HSBC legal department, where he was responsible for the main global internal investigations on issues involving money laundering, penalties, taxes and Read anti-birrery, including the law on corrupt foreign practices. While at the HSBC, Mr. Facciponti supported the bank's interests in front of US and foreign regulators, as well as the independent comparison monitor of HSBC. Facciponti also recommended HSBC to adopt corrective measures and to make changes to his compliance policies in response to the results of his investigations. In private practice, Facciponti provides customers to customers regarding data violations, regulatory investigations, computer security and dispute on commercial and intellectual property. Facciponti teaches a Cyber technological Campus of the University of Cornell on the island of Roosevelt and is currently covered by the Privacy Committee, the data security and the dispute of the technology of the 'information. len len saraK .M htenneK itinU itatS ilged enoizaicossA'lled waLââ rebyC al e enoizamrofni'lled aigoloncet al rep otatimoC led ocitamrofni enimirc li rep otatimocottos led etnediserp otats "Ã roiting and in the devres Erehw detacovda sah nonnaG .rM .puorG laicnaniF snezitiC ta OLC dna CG yltnecer tsom saw nonnaG .rM .puorG laicnaniF snezitiC ta evitucexe lagel., "A.c. pelginoGcM gninioj ot roir9. seitiruceS aivohcaW dna gniknab ni esitrepxe sah .tnecrofne fo noisivid eht in the devres Erehw detacovda sah nonnaG .rM .puorG laicnaniF snezitiC ta OLC dna CG yltnecer tsom saw nonnaG .rM .puorG laicnaniF snezitiC ta evitucexe lagel ocigetarts oiraiznanif oiranoiznuf li iuc art roines eiraiznanif inoizisop eirav otrepocir ah, knaB tsurtnuS etnemavisseccus e knaB ratserC rep ocigetarts oiraiznanif inoizisop eirav otrepocir ah, knaB tsurtnuS etnemavisseccus e knaB ratserC rep ocigetarts oiraiznanif oiranoiznuf li iuc art roines eiraiznanif inoizisop eirav otrepocir ah, knaB tsurtnuS etnemavisseccus e knaB ratserC rep ocigetarts oiraiznanif oiranoiznuf e roines etnediserpeciv otats "A ztolG .eiratinumoc e ilanoiger, ilanoizan inoizazzinagro el rep elatipac led id erotadnof e OEC II .puorG laicnaniF ihsibustiM e CWP ,CBSH .rS id ollevil a ovitarepo oihcsir e oihcsir id ilabolg inoizisop eirav otrepocir onnah e neevuN/AAIT .atacnabottos etnemlanoizidart Ätinumoc alla iracnab ittodorp e ilanosrep ititserp odnenrof otidder a otaredom e ossab a itneilc a eglovir is ehc elaicifitra aznegilletni'llus otartnecni hcetnif erotaiznanif nu ,laicnanif NUTROPO osserp ovitarepo oihcsir led opac emoC Faculty of the Institute of Bank Director Education. Glotz was a professor of Faculty of Virginia Bankers School at the University at the University Virginia, where he taught the risk of governance and Erm. You have delivered the training of the banking director for many talking to a risk of Americas 2022 Heith Janke Unit Chief - Unit of virtual activities FBI Heith Janke unit of virtual activities, where è: Responsible for guiding all FBI issues involving virtual goods. During his mandate in the FBI, Janke was assigned to the offices on the field of Kansas City and San Antonio, where he investigated public corruption, civil rights issues, cybercrosuses and complex financial crimes. Janke was awarded the 2009 United States Prosecutor General Prosecutor for the distinct service for his work on a penalty of death death on the murder for crime. Janke also held leadership positions at the field on the field of Kansas city and the unit for civil rights and money laundering, forfeiture and unit of bank fraud at the FBI, he was a civil quarrel in Sioux Falls, in South Dakota. He obtained a degree in Sociology from North Dakota State University and a law degree from the North Dakota University. Armel Romeo Kouassi Senior Vice President Northern Trust Corporation Executive with vast experience in the banking sector Business finance, asset management, entrepreneurship, AI and fintech. Moved between entrepreneurial and senior banking leadership roles, at ease with new ideas, innovative and willing to challengestatus quo. Transformative, leader of thought and frequent diffuser and author in bank magazines in the during to challengestatus quo. Transformative, leader of thought and frequent diffuser and author in bank magazines in the during to challengestatus quo. Transformative, leader of thought and frequent diffuser and author in bank magazines in the during to challengestatus quo. Fargo Andy is a professional of the financial service with 15+ years of analytical and management of the wallet. Amazon advertisement business is recently united to conduct his predictions Ai. Before doing Joing Amazon, he was director, head of NLP in Customer Experience at Wells Fargo, leading a team to predict solutions to several lobs. Him's team used advanced machine learning techniques such as NLP, CNN to generate quantitative information from unstructured / structured data. Andy achieved them a doctorate and M.S. of chemical engineering at Carnegie Mellon University and a UC Berkeley Master of Financialting. He is an ex-high of the HBS and got the EMB from the Quantic School of Business and Technology. In his part -time period, he taught Deep Learning courses at Gabelli Business School at Fordham University in New York City. Steve Lindo Course Designer and Lecturer Columbia University M.Sc. In Enterprise Risk Management Steve Lindo is a manager of financial risks with over 30 years of experience in the management of risks in Alm, funding, banks and trading portfolio. In addition to his role as a teacher and designer of courses in the MSC program of Columbia University in Enterprise Risk Management, he is currently a principal of Srl Advisory Services, an independent consultancy company specialized in the governance of risk, instruction and strategy, and co-proze Intelligent Risk, an education and a partnership osac osac e oihcsir led enoitseg id ilocitra id erotua e tsoh ranibew ,eznerefnoc a eraloger erotatneserp nu "A odniL .giS II .AIC allad itazzireinoip icitilana idotem odnazzilitu ovitucese aznelusnoc allen otlovnioc otats "Å divaD, etnecer id ¹AiP .evreseR laredeF alled elatipaC id onaiP led alogeR al e knarF-ddoD sserts id tset id itisiuqer i eratnemelpmi rep evreseR laredeF alled elatipaC id onaiP led alogeR al e knarF-ddoD sserts id tset id itisiuqer i eratnemelpmi rep evreseR laredeF alled elatipaC id onaiP led alogeR alled elatipaC id laredeF alled enoisivrepus alla elatnemadnof otubirtnoc nu ehcna otats à .evreseR laredeF alled onretniâlla otnematneiro elat id enoizauttaâl eradiug a aunitnoc e .)CIDF noc etnemetnecer
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He has a degree at the Oberlin the development of the model, the implementation and validation of large financial institutions, including banks, insurances and Mutual funds. He also worked in Bank of America where he was Senior Vice President and responsible for managing market risks for the Mortgage Securities trading counter. Powell earned his MBA from Florida State University. He also gained a certificate in applied data science and machine learning from Emory University. In addition, Powell is a Certifical intelligence, i.e. machine learning and automation of robotic processes ("RPA") in the financial services sector. Shah Rahmar Insurance risk specialist Evalueserve Shahman has over two decades of Property & Casualty insurance experience, both in personal and commercial lines, and is currently an insurance expert that allows its Data Science group to get weapons around insurance data for various modeling purposes. Shah also worked on insurance sales with an insurance Group to increase its sales productivity and expand through M&A, before which Shah played a leading role within the Ceded Reinsurance/Corporate Underwriting division at AmTrust Financial Services s¢rolehcaB a sdloh letsirhC .seirtnuoC rof ycnediserP-eciV eht rof rosivdA noitamrofsnarT ssenisuB dna snoitarepO fo noitisop eht yb dewollof eciffo sodabraB eht ni snoitarepO fo feihC eht sa dleif eht ni ecneirepxe sa llew sa, stnemtraped lanoitarepO fo noitisop eht yb dewollof eciffo sodabraB eht ni snoitarepO fo feihC eht sa dleif eht ni ecneirepxe sa llew sa, stnemtraped lanoitarepO fo noitisop eht yb dewollof eciffo sodabraB eht ni snoitarepO fo feihC eht sa dleif eht ni ecneirepxe sa llew sa, stnemtraped lanoitarepO fo feihC eht sa dleif eht ni ecneirepxe sa llew sa, stnemtraped lanoitarepO fo noitisop eht yb dewollof eciffo sodabraB eht ni snoitarepO fo feihC eht sa dleif eht ni ecneirepxe sa llew sa, stnemtraped lanoitarepO fo noitisop eht yb dewollof eciffo sodabraB eht ni snoitarepO fo feihC eht sa dleif eht ni ecneirepxe sa llew sa, stnemtraped lanoitarepO fo noitisop eht yb dewollof eciffo sodabraB eht ni snoitarepO fo feihC eht sa dleif eht ni ecneirepxe sa llew sa, stnemtraped lanoitarepO fo feihC eht sa dleif eht ni ecneirepxe sa llew sa, stnemtraped lanoitarepO fo feihC eht sa dleif eht ni ecneirepxe sa llew sa, stnemtraped lanoitarepO fo feihC eht sa dleif eht ni ecneirepxe fo feihC eht sa dleif eht ni ecneirepxe sa llew sa, stnemtraped lanoitarepO fo feihC eht sa dleif eht ni ecneirepxe sa llew sa, stnemtraped lanoitarepo fo feihC eht sa dleif eht ni ecneirepxe sa llew sa, stnemtraped lanoitarepo fo feihC eht sa dleif eht ni ecneirepxe sa llew sa, stnemtraped lanoitarepo fo feihC eht sa dleif eht ni ecneirepxe sa llew sa, stnemtraped lanoitarepo fo feihC eht sa dleif eht ni ecneirepxe sa llew sa, stnemtraped lanoitarepo fo feihC eht sa dleif eht ni ecneirepxe sa llew sa, stnemtraped lanoitarepo fo feihC eht sa dleif eht ni ecneirepxe sa llew sa, stnemtraped lanoitarepxe sa llew sa llew sa llew sa llew sa llew etavirp eht dna snoitazinagro tnempoleved lanoitanretni morf tnemeganam ksir dna ,tcejorp ,oiloftrop ,tnempoleved lanoitanretni morf tnemeganam ksir dna ,tcejorp ,tcejorp ,tnempoleved lanoitanretni morf tnemeganam ksir dna ,tcejorp ,tcejorp ,tnempoleved lanoitanretni morf tnemeganam ksir dna ,tcejorp ,tcejor erutuf evisulcni dna elbaniatsus a rof noisiv reH. gnitroper dna gnirotinom oiloftrop DNA, Eccnarussa ytilauq, thisrevo tnemememegan ksir ecnanrevog dna, laicos , Latnenorivne seganam )BDI(kna B tnempoleveD naciremA-retnI eht yaw eht mrofsnart evisulcni dna elbaniatsus a rof noisiv reH. gnitroper dna gnirotinom oiloftrop DNA, Eccnarussa ytilauq, thisrevo tnemememegan ksir ecnanrevog dna, laicos , Latnenorivne seganam )BDI(kna B tnempoleveD naciremA-retnI eht yaw eht mrofsnart ot evitcepsrep evitavonni reh gnignirb tnemeganaM ksiR fo eciffO eht ni tinU tnemeganaM ksiR laicoS dna latnemnorivnE eht fo feihC tnu baaS letsirhC .) 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Mr. Sharma has an MS in Computer Science from the University of Pennsylvania and a BA from Temple University. member of FIASI NY, SOA, IAFE and a past member of the ICI¢ÃÂÂs Risk Advisory Council. Chris Smigielski Model Risk Director Arvest Bank With over 30 years of financial model development, market risk modeling, Asset Liability Management and team development. Chris is currently the Director of Model Risk Management at Arvest Bank and was previously with TIAA Bank¢AAAs Enterprise Risk Management at Arvest Bank and internationally to design and implement financial strategies to maximize productivity and growth, as well as Asset/Liability Management and quantitative analysis at HSBC and First Niagara Banks. Chris is actively involved with diversity and inclusion initiatives, having served as Co-Chairman for TIAA Bank¢ÄÄs Veterans-based Employee Resource Group, Our Corps Mark Soffietti Director of An AOrganizational Effectiveness Experian Decision Analytics With over fifteen years of experience transforming data into actionable knowledge for effective decision management. Through a wide range of large consulting engagements at Experian, he worked in every department of financial institutions. Mark's experience customer experience. This is all done using advanced analysis and machine learning. Morgan Stanley Amit, executive director of Amit Srivastav, is talking at risk Americas 2022 Chris Szafranski Privacy Director American Family Insurance Chris Talks at risk Americas 2022 Chris Szafranski Privacy Director American Family Insurance Chris Talks at risk Americas 2022 Chris Szafranski Privacy Director American Family Insurance Chris Talks at risk Americas 2022 Chris Szafranski Privacy Director American Family Insurance Chris Talks at risk American Family Insurance Chris Talk Prior to Key, Sean was Sr. Group Manager of Quantitative Analytics and Model Development in the financial services group PNC.â began his financial services career in the National City Bank as an asset allocation analyst Sr. after working as a research consultant at the Case Western Reserve University Regional Economics Centre. Sean has a PhD. in Economics at Case Western Reserve University and a Master in Management Science and a Bachelor in Industrial Economics at Tianjin University. Malik Ali Director, Global Banking and Markets Scotiabank Malik is a vice-president and manager ottaf ottaf ah ol arolla aD .5002 len knabitiC noc OFC, ottodorp led ollortnoc led opac emoc knabitiC noc otaizini reva opod azneirepse id inna 51 ertlo ah kilam .SREMO osserp eserpmi el e erutturtsarfni el e ytiuqe etavirp li, ilatipac ied itacrem i rep A varied career path that includes the controller, CFO at Credit Suisse Singapore, credit flow and structured credit. Malik joined that includes the controller, CFO at Credit Suisse Singapore, credit flow and structured credit. senior director, audit, where he is responsible for capital markets, risk, treasure and finance. Having worked with large global financial institutions in different countries of Asia, the Middle East and Africa over the past 15 years, Malik brings a broad knowledge and a global perspective on governance, risk finance and controls. Malik believes that the work he does in Audit & Finance has cut into many functions and is complete evaluation. A CFA Rental Owner and like CPA CA, Canada, Malik Associate, was also president of financial and accounting professional alliance and supports global benefic organizations in Asia and Africa for the elimination of poverty and sustainable life. Michal Berdugo Vice President of Citrusx business Michal Berdugo is vice president of Citrusx business Mi responsible for the ongoing development guide and the execution of Citrusx, Michal led the business at Poalim Asia Investment Bank. He also led the business and marketing for the attached commercial office at the Beijing Ministry of Economy, China. Michal is also co-founder of Bloom and board member of a FinTech startup. Michal holds a master's degree in jurisprudence at Bar Ilan University and a degree in science led led orbmem ,noisivrepuS ksiR lanoitarepO a kroY weN id knaB evreseR laredeF renimaxE knaB roineS hceC kciR .aciarbe ÄtisrevinU'l osserp /atsinoizA namdle F. 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Prior to this role she was responsible for the management and oversight of client implementations. She oversees the strategy and execution of cross functional transition plans for new business opportunities and high profile, complex initiatives for existing clients. Alpa is responsible for strategic planning, organizational restructuring, client relationship management, compliance, and risk. Prior to joining BNY Mellon, Alpa served as Vice President and Chief of Staff in the Regulatory and Tax Operations division at Goldman Sachs & Company. She was a global project manager for the Federal Preparedness program. Prior to Goldman Sachs, Alpa served as Cost Allocation Specialist for Societe Generale. She led various assignments at Fluor Daniel Corporation including overseeing a Nuclear Waste clean-up project costing in excess of \$5 billion and the implementation of SAP system. She has a successful track record as a leader in managing complex client relationships, risk management, and transformation. At BNY Mellon, Alpa is a chair of the IMPACT South Asian Leadership Hub. Currently Alpa sits on the board for Pratham and Ascend Leadership. Alpa is a Steering Committee Member for Shared Assessments. Alpa is the program creator for Women in Financial services through mentorship and exposure to the Financial Industry. She also created a program called Take 2 with the objective to increase the success for women returning to the workplace by providing them with an opportunity to explore a new career path or reacquaint themselves with new market trends or changes in their area of expertise after an extended career break. Alpa earned a Master of Business Administration
and Bachelor of Arts in Finance from State university. michael ivie managing partner, head of fs consulting phyton consulting michael is a partner administrator of phyton consulting, a specialized professional service company that empowers high-intensity data enterprises with the leadership in the matter and delivery capacity focused on execution. michael has over a decade of experience in finance, risk, data management and technology in both public and private sectors. its different background working throughout the entire enterprise and in numerous roles of change management for many of the world's leading financial institutions helped him develop a unique perspective on how these organizations work and how to navigate a changing, technical and regulatory landscape, michael received a ms in finance and a mba in risk management & insurance from the j. mack robinson college of business of georgia state university, has obtained a responsible prmia certification of professional risk (prm), professional designation of bcpa basile compliance, professional project management credentials (pmp) from pmi and numerous licenses and certifications of professional data/data. nick kapatos enterprise risk manager bank allegiance bank nikolas kapatos has held numerous banking positions in new york and houston in business risk manager bank allegiance bank nikolas kapatos has held numerous banking positions in new york and houston in business risk manager bank allegiance bank nikolas kapatos has held numerous banking positions in new york and houston in business risk manager bank allegiance bank nikolas kapatos has held numerous banking positions in new york and houston in business risk manager bank allegiance bank nikolas kapatos has held numerous banking positions in new york and houston in business risk manager bank nikolas kapatos has held numerous banking positions in new york and houston in business risk manager bank nikolas kapatos has held numerous banking positions in 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kapatos has held numerous banking positions in new york nikolas kapatos has held numerous has held numerous has held numerous has held numerous allegiance bank. is professor of practice in risk management and insurance at the bauer college of business of the University of Houston. in the past nikolas provided consultative services to financial institutions, public entities and aviation companies. has a mba in finance and corporate accounting at the University of rochester and holds insurance licenses in texas owned, victims, life and health. maureen kiedaisch seniordelegate fti consulting maureen is talking at risk americas 2022 milan kosanovich specials¢nolleM kroY weN fo knaB eht ,ytirohtuA yrotalugeR yrtsudnI laicnaniF eht ta tnemecrofnE fo noisiviD eht ,detaroprocnI htimS & renneF ecreiP hcnyL llirreM ta lesnuoC lareneG fo eciffO eht ;.proC seitiruceS EDART\*E dna .proC gniraelC EDART\*E dna .proC gniraelC EDART\*E dna .proC gniraelC .cni puor emc dna tnah noissimmoc 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Doctor from the St. John¢ÃÂÂS University School of Law. She also completed a visiting year at Fordham University School of Law. In addition to her law degree, she holds a Master of Arts in International Relations from Columbia University and, paying homage to her Canadian roots, a Bachelor of Arts in Criminology and Political Science from the University of Toronto. She also serves as a board member and Secretary to Bank of China International FinTech Advisory Group; Diversity Chair of the American Bar Association Advisory Group; Diversity Chair of the Center for Financial Professionals FinTech Advisory Group; Diversity Chair of the American Bar Association Advisory Group; Diversity Chair of the Center for Financial Professionals FinTech Advisory Group; Diversity Chair of the Center for Financial Professionals FinTech Advisory Group; Diversity Chair of the Center for Financial Professionals FinTech Advisory Group; Diversity Chair of the Center for Financial Professionals FinTech Advisory Group; Diversity Chair of the Center for Financial Professionals FinTech Advisory Group; Diversity Chair of the Center for Financial Professionals FinTech Advisory Group; Diversity Chair of the Center for Financial Professionals FinTech Advisory Group; Diversity Chair of the Center for Financial Professionals FinTech Advisory Group; Diversity Group; Diversity Chair of the Center for Financial Professionals FinTech Advisory Group; Diversity Group FinTech Advisory Group FinTech FinTech Advisory Group FinTech FinTech FinTech FinTech FinTech FinT Futures and Derivatives Law Subcommittee, and committee, and committee and Derivatives and Futures Committee and Putures Committee and Put Party Risk Management OneTrust Matthew Moog serves as the General Manager, Third-Party Risk at OneTrust, the category-defining enterprise platform to operationalize trust. In his role, Matthew advises¢ÃÂ-Âcompanies throughout their third-party risk management implementations to help meet requirements relating to relevant standards, frameworks, and laws.
Prior to joining OneTrust, Matthew spent 18 years at EY where he led their Global Third-party Risk Managed Service offering for Financial Services and their Third-party Risk Managed Service offering for Financial Services and their Third-party Risk Managed Service offering for Financial Services and their Third-party Risk Managed Service offering for Financial Services and their Third-party Risk Managed Services and their Third-party Ri Moyad Chief Executive Officer Shared Assessments Andrew Moyad is the Chief Executive Officer of Shared Assessments. Andrew is an accomplished And Trailblazer in the management, he has guided a culture of responsibility and diligence in safeguarding information. Andrew has more than 25 years in the risk management and information security. He has contributed considerably to the transformation and advancement of risk management as a strategic function that intersects and helps to guide all aspects of the organizations. Recently, Andrew served as a senior vice president, Vendor Risk Management in Blackstone, where he led a team of responsible risk professionals for supervision of all phases of the supplier life cycle at the company, including risk assessments, Diligence control, contract reviews, financial controls, performance monitoring, problems monitoring and management reporting. Before Blackstone, he worked as director and global head of the management of the risks of the supplier and BlackRock and Senior Vice President for Citigroup, where it was a Business Information Security Officer in Global Fixed Income and conducted the evaluations of third parties for different years. Andrew holds a degree in Natural Sciences at the University of Harvard and a Master of Science in information systems at the Stevens Institute of Technology. Connect with Andrew via LinkedIn. Nison NisonOv of the risk, head of control HSBC Nison Nison NisonOv of the risk, head of control office supervising the non-financial risk framework for various activities and functions. In his previous roles, he managed the non -financial risk and conducted various projects and programs through the retail, wealth and institutional bank sectors. In addition, Nison is an active member of the association of specialists enoizalogeR enoizalogeR enoizalogeR enoizalogeR enoizalogeR enoizalogeR. enoizartsinimma id oilgisnoc led enoizartsinimma id oilgisnoc led enoizartsinimma id oilgisnoc led ovitta orbmem nu e ,otacifitrec-itna oraned id oiggalcicir Products and Monitoring TD Bank N.A I have over 30 years of Compliance experience in the financial services industry. Ã I am the Head of AML Risk, Regulatory Advocacy, Products and Monitoring and champion an amazing team who delivers with pride every time. AML Risk Assessment, evaluation of business line compliance to AML requirements, AML Risk Assessment, evaluation of AML surveillance systems and execution against Operational Risk Management requirements. Charlotte is my base and my team is in NJ, MN, SC and TX. Sanjay Pattni Associate Partner and the Head of Data Management Phyton Consulting, a professional services firm with deep industry and subject matter experience, focused on delivering high-quality solutions for clients. Sanjay has spent the last 10 years working in the Financial Services industry, focused primarily on delivering high-quality solutions for clients. Sanjay has led the development and execution of data strategies for leading mid

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and large size financial institutions and has been instrumental in shaping the vision and future for many CDO organizations. His expansive experience in Management Consulting has helped Sanjay cultivate a deep understanding of how financial services organizations of all sizes and complexities navigate the challenges of a highly regulated and ever
changing data environment. Sanjay holds a BBA in Finance and Risk Management & Insurance from Georgia State University AAAs J. Mack Robinson College of Business. Matthew Phillips PhD Director of Fraud Analytics, Decision Analytics Experian North America Matt leads a group of data scientists and engineers that create industry-leading fraud
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consultancy consultancy in which he applied his experience to deal with fraud issues in a wide range of sectors, including government agencies, financial, financial services, and other areas that require guarantee of identity and risk management of fraud. The previous work by Chris of Fraud Prevention focused on bringing advanced analysis to
payment card markets in the United States and Latin America. Santosh Shetty Director Market and Controparty Credit Risk Analytics RBC Santosh is a technology leader with over 17 years of experience in delivering strategic and high-impact programs. Its experience extends over several sectors and industries. Most of its last decade has built and
run technological roadmaps for large Canadian banks and insurance companies that cover digital transformation, analytics, cloud, big data and emerging technological strategy, business architecture and distributed systems. During his career he actively collaborated, educated
and led a series of leaders at various levels through technological challenges. John Stephens Principal, Banking & Financial Services Workiva, John stephens is the product marketing director at Workiva, John spent 21 years in the
financial services sector in a wide range of roles, including loans, relationships management, finance, risk management and data analysis and the role of value creation of the ESG company. Henry's CEO Umney GRC Mitratech Henry is
CEO GRC of Mitratech and joined Mitratech as part of the acquisition of ClusterSeven in 2020. Henry joined ClusterSeven in 2020. Henry joined ClusterSeven in 2020 and for over 10 years he was responsible for operations and commitment partners before being appointed CEO. Henry has over 30 years of experience
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Previously, Thomas worked in Lehman Brothers within their Alm team and inside the AT & T Corp. Treasury, where he worked through the functions of the us rates strategy at Bofa
Global Research, based in New York. In this role, he publishes research and trade recommendations that cover short -term interest rates of the United States and financial regulation. Cabana entered the
study in 2015. Before joining Bofa Securities, Mark worked as an officer of the Markets group at the Federal Reserve Bank in New York. He spent almost 9 years in the Open Markets Trading Desk which embraced the duration of the financial crisis. While it was at the NY Fed, Cabana was strictly involved in the design and implementation of a series
of programs for the purchase of goods / QE and has also managed a team focused on the analysis of global macroeconomic conditions and financial markets. Cabana achieved a degree from Furman University and a master's degree at Johns Hopkins University in International Finance and Relations. It is a member of the CFA. The director of Petr
Chovanec Ubs Petr Chovanec is a Business Modeling and Forecasting director at the UBS Global Wealth Management, where he guides a modeling of the team and prepares the budget and declaration of income of the American patrimonial management, where he guides a modeling of the team and prepares the budget and declaration of income of the American patrimonial management. In his position, he is involved in anticipation of business, strategic planning, capital optimization
and various stress test exercises (CCAR, Cecl, LPA). Before the position with Ubs, he spent four years in the capital management group and in the validation of the Citizens Bank model (ex Rbs Citizens) and State Street. Before this he was a front office as many in fixed income, currency and raw materials trading with Street and ENGIE. Jim Devern
Sales Manager Mirai ALM Tool Treasury & Risk (Liquidity, ALM, Oversight) SMEs with over 25 years of experience in interpreting regulatory
requirements, transforming the risk of liquidity/liquidity and reporting technology, risk management, organizational resilience and governance and continuous monitoring. Liquidity initiatives and ALM of complex and large-scale end management, organizational resilience and governance and continuous monitoring. Liquidity initiatives and ALM of complex and large-scale end management, organizational resilience and governance and continuous monitoring.
Director of Andrew Fellingham: MSBC liquidity risks Andrew Fellingham has over 25 years of treasure, portfolio management and risk experience working mainly for FBOs in New York. Andrew is currently responsible for the risk of liquidity for the SMBC Americas division, where he is responsible for EPS activities, including risk identification,
quantification and stress testing. In previous roles Andrew has managed the wholesale and cartolarized financing activity, exchanged rates and mortgages and has elaborated credit wallets in difficulty composed of cartolarized activities, entire loans and real estate. Managing Director of Fabrice Fiol- Deputy Head of Enterprise Risk Management
(Americas) Societe Generale Americas Fabrice Fiol is CEO and Deputy Head of the Americas Enterprise Risk Management division. In this capacity, he co-manages a team responsible for statements and reports of appetite at risk, risk identification, extensive stress and corporate governance, including regulatory supervision for Americas. Previously
he was responsible for the cross-border team at market risk that supervised the regional limit framework, market risk tress tests and various regulatory market risk tress tests and various regulatory market risk tress tests and various regulatory market risk that supervised the regional limit framework, market risk tress tests and various regulatory market risk tress regulator
NY General Societe in 2009. Before SG, Mr. Fiol was a vice President at the reinsurance company SwissRe-NY where he was in charge of front-office quantitative pricing and subsequently joined the U.S Rates
Derivative Desk trading. He graduated with a Master¢ÂÂS Degree (DEA) from Paris VII University. Fabrice Fiol has participated as a speaker and panelist at various risk conferences (Bloomberg, Risk. Net, Cefpro). He has co-authored an article and Economics in 1998 and holds an Advanced Studies Degree (DEA) from Paris VII University.
in the RMA Journal in 2017 ¢ÃÂÂRisk Appetite: How Banks are responding to risk in a new regulatory environment¢ÃÂÂ, and in 2019 published ¢ÃÂAEnterprise Risk Management in Financial Institutions. Fabrice Fiol is a lecturer at SPS-
Columbia University in the ERM Master¢ÄÄÄs Degree program. Mike Guglielmo Managing Director DCG With over 30 years of experience in strategic risk management, Mike is also a frequent author and top-rated speaker on a variety of
balance sheet and model risk management and operational risk management topics. He is the Immediate Past Chairman for the FMS Institute. During his tenure at DCG, Mike has served in various capacities, including director of financial analytics. In addition, he is a technical resource for
the ongoing development of many of DCG¢ÄÄÄs quantitative and strategic risk management products and services. Prior to joining DCG, Mike managed the ALCO and strategic planning processes for a regional bank in the northeast. Mike is a graduate of Fairfield University with a degree in economics. Julian Horky Head of Risk Berenberg Capital
Markets Julian supervises the risk management program of Berenberg Capital Markets as head of risk control. Berenberg is a multinational full-service investment bank founded in 1590 with a significant presence in New York. Before returning to the sector, he consulted large financial institutions all over the world with a focus on Western Europe
and North America. The financial and technological skills of him made him a trusted consultant in Treasury, Finanza, Alm, and risk departments and a frequent speaker in events in the sector. Mike Huff Senior Director, Portfolio Management & Asset Allocation Tiaa Mike is a portfolio manager for the investment portfolio of 280 billion dollars of Tiaa.
His responsibility include the management of the portfolio, the allocation of assets, derivative / hedging strategies, currency risk management of the management of funding/debt. Before entering Tiaa, Mike was director of Investment
Risk Management in Genworth Financial where he was responsible for the management of activities / responsibility, derivative of supervision and counterparty risk risk. In Genworth, Mike was also a senior derivative trader where he exchanged interest rates, futures, share options and developed hedging strategies. Before working in Genworth,
Mike was at the Principal Financial Group where he managed a portfolio of structured products and derivatives. Mike holds an industrial engineering BS from the Michigan University and an MBA in finance from the university of the Illinois. He is the owner of the CFA and responsible for the professional risk (PRM). Alpa Inamdar Transformation
Leader Aig Alpa is responsible for the third consultative group for governance. Before this role it is At the head of the Americas Business Change group within Asset Servicing, where he was responsible for managing and supervising customers' implementations. She supervises the strategy and e of cross transition plans for new business opportunities
and complex high profile initiatives for existing customers. ALPA is responsible for strategic planning, organizational restructuring, customer relations management, compliance and risk. Before joining BNY Mellon, ALPA was vice president and head of state of the Division of Regulatory and Tax Operations at Goldman Sachs & Company. She was a
global project manager for the federal preparation program. Before Goldman Sachs, ALPA was a cost allocation specialist for Societe Generale. He has led various assignments at Fluor Daniel Corporation, including overseeing a nuclear waste cleaning project that costs over $5 billion and the implementation of the SAP system. It has a successful
track record as a leader in managing relationships with complex customers, risk management and transformation. At BNY Mellon, ALPA is president of the board of directors for Pratham and Ascend Leadership. ALPA is a member of the Management Committee for shared
evaluations. ALPA is the creator of the program for women who help women in finance by helping women in college to skip their career within financial sector. He also created a program called Take 2 with the goal of increasing success for women returning to the workplace providing them
with the opportunity to explore a new professional path or regain new market trends or changes in their area of expertise after an extended career break. ALPA holds a Master in Business Administration and Bachelor of Arts in Finance from California State id id opac a are of expertise after an extended career break. ALPA holds a Master in Business Administration and Bachelor of Arts in Finance from California State id id opac a are of expertise after an extended career break.
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rep For Fixed Income desks and then like Risk Coo in the Americas. Phil holds an MBA from the Nyu Stern School of Business and a Master in Mathematics applied by Enseeiht, Ense
at ORM, with over 25 years of experience in enterprise risk management, balance sheet management, credit risk management, and regulatory capital management, and regulatory capital management. During his tenure at ORM, he has consulted with hundreds of financial institutions worldwide and helped ORM build an international client base of over 250 long-term engagements.
Oskar Rogg Head of Treasury Credit Agricole Oskar Rogg is Head of Treasury, Americas for Credit Agricole CIB. He joined the bank in 2006 after stints at Ernst & Young/Cap Gemini, a fin-tech boutique and 10 years running a startup consulting firm. Oskar began his career at First Boston (now Credit Suisse) where he developed software, worked in
municipal finance and traded repo and municipal GICs. A AHe has authored 15 books and articles, including chapters on repurchase agreements in the Handbook of Fixed Income Securities and the Handbook of Treasury Securities. He is a graduate of Cornell University and holds Series 7, 63, & 24 registrations and a PMP. Mark Slattery Managing
Director/Market Manager ¢ÄÄÄÄ ÄNorth American Client Services Kamakura Corporation Mr. Mark E. Slattery is a financial modeling/forecasting, risk management, and capital optimization. A A Kamakura, Mr. Slattery is
MBA in Finance and Accounting from the Kellogg Graduate School of Management of University (1986). Slattery achieved the designation of financial rental analysts in 1992. Michael K. Steinhoefel Operational Risk Management Barclays Michael is talking at risk Americas 2022 Donald r.
Founder and CEO of Van Deventer Kamakura Corporation Donald R. Van Deventer founded the Kamakura Corporation in April 1990 and is currently president of the Lehman Brothers investment by Lehman Brothers from 1987 to 1990. From 1982 to 1987,
Dr. Van Deventer was the treasurer of the First Interstate Bancorp in Los Angeles. Dr. Van Deventer was vice -president of the Department of the National Pacific Bank from 1977 to 1982. The third edition of his latest book, Advanced Financial Risk Management (with Kenji Imai and Mark Mesler) is coming to the 2020. Dr. Van
Deventer has completed his PhD in Business Economics at Harvard University in 1977. Dr. Van Deventer also obtained a degree in Mathematics and Economics from the Western College, where he graduated second in his class, Summa Cum Laude and Phi Beta Kappa. Kenneth Wolkenhauer VP, Vendor Management Nordea Bank New York Ken
Wolkenhauer is head of supplier management at the Nortea Bank New York branch. In view of this position, Ken was an expert on the subject, a trainer, a solutions supplier and a FIS consultant, the largest global supplier of the world dedicated to banking and payment technologies. With FIS, Ken specializes in the regulatory risk and the compliance
of the financial industries, mainly in the anti -money recycling sector and the conformity of the control list. Nordea Bank exploited Knee and conformity knowledge of Ken to build the supplier management program for the New York branch, developing a program that would correctly manage the risk and earning earning earning alled opac li ehcna are
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Special Supervisory Agent FBI Supervisory Special Agent Milan R Kosanovich has worked for FBI for over eleven years specializing in white collar criminal investigations. He graduated in Syracuse University (JD), He worked in the New Haven and Cleveland offices. He worked as a detail at the Commodity Futures
Trading Commission while working as a supervisor of the unit of economic crimes to the FBI in Estonia, the Netherlands, Canada, Israel, Seychelles, Mauritius, Singapore, Malaysia, Germany, France and the United Kingdom. Currently he is assigned to the White Collar Crime
Squad in Cleveland and acts as a member of the Corporate Fraud Response Team at national level and as a hostage negotiator. Ty Lambert for the Corporate Fraud Response Team at national level and as a hostage negotiator. Ty Lambert for the Corporate Fraud Response Team at national level and as a hostage negotiator. Ty Lambert for the Corporate Fraud Response Team at national level and as a hostage negotiator. Ty Lambert for the Corporate Fraud Response Team at national level and as a hostage negotiator. Ty Lambert for the Corporate Fraud Response Team at national level and as a hostage negotiator. Ty Lambert for the Corporate Fraud Response Team at national level and as a hostage negotiator.
budget, to the management of credit risk, to company planning and modeling and forecast. In his current role as Chief Risk Officer, he is responsible for data analysis, regulatory compliance, company risks, supplier management and bank secrecy act / anti-Money launding. Before joining Bancorpsouth, Ty was an investment portfolio manager. Jeff.
Prelle Senior Vice President, Risk Analytics & Data Governance Bank of Cadence Jeff. Prelle is the Risk Analytics Svp and responsible for the management of data from the adhesion to Bancorpsouth in April 2020. Before joining Bancorpsouth, Jeff was the chief of modeling, Model Validation and Financial Consulting at Situs AMC and managed the
offers of of products mcquire solutions legacy, worked for td ameritrade and Moody's Moody's leading model development, stress testing, data governance, and balance sheet management functions. He has extensive experience in enterprise risk management, credit
risk management, capital stress testing, and corporate planning. Debbie Williams Director, Data Strategy BNY Mellon Debbie is responsible for the rollout of the unified data management framework and managing relationships with regulatory agencies and internal audit. She has more than 25 years of experience in financial services and technology
and has advised on market trends, product positioning and strategy as well as guiding financial institutions on technology adoption. Prior to joining BNY Mellon, Williams directed the marketing and business at S&P Capital IQ, she held significant roles as Head of Marketing
and Business Development at R2 Financial Technologies, Director of the Basel II Program for RBS Citizens Bank, and co-founder and COO of Meridien Research. Williams is based in New York and holds a bachelor¢ÃÂÂs in Economics from Vassar College and a master¢ÃÂÂs in Business and Entrepreneurship from Babson F. W. Olin Graduate School
of Business. She is a member of the steering committee and previous regional director for the Boston region and a founding member of PRMIA (Professional Risk Management International Association). The focus of this workshop is to provide comprehensive approach for machine learning model validation with special emphasis on conceptual
soundness and outcome analysis. The key elements includes: model explainability, model weakness identification, prediction reliability, model robustness under changing environment and fairness. The workshop will spend significant amount of time on inherently interpretable models due to their key role for high risk applications as as a model
benchmark. This is a practical seminar where participants will learn practical concepts along with exercise using Python in Google Colab. Python can follow without difficulty. Session 1: Introduction and Auto Learning Validation
Explainability: Conceptual solidity and analysis of results Introduction to key concepts: Explanation, robustness, reliability and global SPARAGIONABILITY LECCHI: LIME and GLOBAL SPARATION: variable importance, partial Addition and accumulated local effects Session 2: Design of limitation of the intrinsically
interpretable model of post-hoc explainability Introduction to the construction of intrinsically interpretable models Model explainable Gami Neural Machines Rule 3: Deep Relu Network Control through the regularization session 4: test of performance weakness identification test through the evaluation of cutting reliability through an assessment of
the robustness of the prediction compliant for the equity test of the covariate/distribution drift. 13:00, Sharing Expert Opinions on: â Using Automation types automate test execution predictably by incorporating information on standardized test
models automated evaluation of results that incorporate model information increase efficiency of your model risk management asset Jim Olsen, Chief Technology officer, ModelObasis â to avoid disappointment, book your place today by default on our registrySri Krishnamurthy, CFA CEO QuantUniversity Sri Krishnamurthy, CFA, CAP is the founder of
QuantUniversity, a data and quantitative analysis company. It has more than 15 years of experience in AI risk management, fintech, analysis, machine learning, quantitative analysis, statistical modeling and large-scale application design. Previously, Sri worked for Citigroup, Endeca and MathWorks and consulted dozens of customers in financial
services and energy industries. He trained more than 5,000 students in quantitative methods, analysis and large data in the industry and as faculty member at Babson College, Northeastern University and Hult International Business School. Many of his students work in data science and data roles at financial service firms. Sri is an educational fan
and is a frequent speaker in multiple CFA events, PRMIA, QWAFAFEW, a reviewer at the Journal of Asset Management and a collaborator of Wilmott magazine. Sri holds a degree in computer systems engineering and a degree
in computer science from Northeastern University and an MBA with a focus on investment from Babson College. Since 2011 he has been the owner of the CFA Charter. Learn more about Sri: Vijay Nair Advanced Technology Head to Model Fago Vijay wells is talking about validating the Masterclass machine learning model Jim Olsen Chief Technology
Officer ModelOp Jim Olsen acts as Chief Technology Officer of Model Op where he guides technical innovation and design of the ModelOp Center platform. Jim is also an integral part of advising CIO and CTO customers to better support their IT operations as they perform on digital business strategies that often extendechnological. Recently, Jim took
his technological experience for etnediserpeciV nu "A otnaijduS sugA ograF slleW ksiR eladneizA olledoM led opaC otnaijduS sugA. IA ni enoizavonni'lla e eno
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the company. Before its current position, Agus was modeling and e Director and chief model risk officer at lloyds banking group in the United Kingdom where he was responsible for the development and supervision of all risk management, regulatory capital, stress testing, asset liability management,
insurance). Before joining lloyds, he was a senior credit risk executive and chief of quantitative risk at the bank of america. Prior to his career in banking, he was product design manager at the ford motor company, where he led engineering team designing systems and engine components using complex engineering models. agus holds numerous U.S.
patents both in financial and engineering. Besides publishing numerous technical documents, he is also co-author of a book of statistical methods to combat financial crimes and
computational statistics. he obtained a degree in engineering and management at the wayne state university and the massacrechoetts institute of technology. unparalleled and unmatched - risk americas 2022 is the event to take part in industry insights, networking, engagement, peer meetings and colleagues, solution providers and more than 60
sessions in two days, with more than 70 thought leaders, including more than 15 discussion boards and 40+ presentations. In addition, new for 2022, a flow dedicated to extensive deep immersion themes required by the industry, led by hand selected industry professionals. move freely through the streams, creating your conference program, engage
anonymously through our event app with questions, simply raising an arm andOne question! In addition, there is a one-day pre-event masterclass on validation of the machine learning model - extended sessions, led by renowned industry experts, with limited places available to allowDesserpxe snoinipo dna sweiv eht] and the machine learning model - extended sessions, led by renowned industry experts, with limited places available to allowDesserpxe snoinipo dna sweiv eht] and the machine learning model - extended sessions, led by renowned industry experts, with limited places available to allowDesserpxe snoinipo dna sweiv eht] and the machine learning model - extended sessions, led by renowned industry experts, with limited places available to allowDesserpxe snoinipo dna sweiv eht] and the machine learning model - extended sessions, led by renowned industry experts, with limited places available to allowDesserpxe snoinipo dna sweiv eht] and the machine learning model - extended sessions are not expert to the machine learning model - extended sessions are not expert to the machine learning model - extended sessions are not expert to the machine learning model - extended sessions are not expert to the machine learning model - extended sessions are not expert to the machine learning model - extended sessions are not expert to the machine learning model - extended sessions are not expert to the machine learning model - extended sessions are not expert to the machine learning model - extended sessions are not expert to the machine learning model - extended sessions are not expert to the machine learning model - extended sessions are not expert to the machine learning model - extended sessions are not expert to the machine learning model - extended sessions are not expert to the machine learning model - extended sessions are not expert to the machine learning model - extended sessions are not expert to the machine learning model - extended sessions are not expert to the machine learning model - extended sessions are not e
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at the end of the day, complete access to the speakers. Where can I find the documentation are also available, without prejudice to the approval of the speakers? All registered participants will receive an e-mail with access to the documentation and
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allow the distribution of presentations. Will breakfast, lunch, refreshment be provided? Yes. As with all ourThe Financial Professional Centre will provide bright coffee, breakfast, lunch, refreshments and small bites during networking breaks. Will there be networking opportunities with other participants? There are wide opportunities for
networking and interaction throughout the Convention, such as: Breakfast, lunch and refreshment break Cocktail reception at the end of the day (subject to confirmation) Q&A, panel discussions and public participation technology There are opportunities to share my thinking leadership at the Risk Americas Convention? Yes, there are many
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