Data Science Seminar
- Usage of data science approach

Asif John

12 March 2020

Agenda

- **Introduction**
- **Data Strategy**
- **General Insurance**
  - **Pricing**
  - **Reserving**
  - **Capital**
  - **Other**
- **Life/Health Insurance**
  - **Pricing**
  - **Reserving**
  - **Capital**
  - **Other**

- **Data Engineering for Insurance**
- **General Insurance InsurTech**
  - **IoT (Internet of Things)**
  - **Big Brother**
  - **Use of AI/ML/RPA/External data/platform**
  - **Insuring the emerging risk landscape**
- **Ethics & Regulations**
- **Data Science Certificate**

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Introduction

- The aim of this seminar is to showcase the development and awareness within the IFoA and the insurance landscape on data science.

- This one day focuses specifically within the domain of data science in applications in insurance/reinsurance covering Life, Non-Life and InsurTech areas.

- We will be covering an overview approach across the different sectors on how data science is an integral part of companies' and the education standards i.e. IFoA DNA.

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Acknowledgements

Special thanks to the sponsors

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Topic	Description	Speakers	Time/Slot
Introduction	Asif John (Chair) – ARGenesis Special guest – John Taylor, IFoA President	Asif John John Taylor	9.00 - 9:10
Data Strategy	Data Culture, Data Management & Data Risks	Valerie Du Preez Rodwel Mupambirei	**9:10 - 9:40**
Data Engineering	• Data Engineering for Insurance	Asif John & Shailendra Tyagi	9:40 -10:10
General Insurance	• Pricing	Ed Plowman	10:10 -10:40
	• Making machine learning techniques interpretable.	Xavier Maréchal	10:40 -11:10
	• Data Visualisation	Małgorzata Śmietanka	11:10 -11:40
Refreshments (10mins)			11:40 -11.50
Life/Health insurance	• Pricing	Declan Whiteford/ Eamon Comerford	11:50 -12:20
	• Reserving	Will Mirams	12:20 -12:50
	• Capital	Dawid Kopczyk	12:50 -13:20
Lunch (45mins)			13:20 -14:05
Platform Tool	• Enterprise Machine Learning Pipeline	John Ng	14:05 -15:05

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Data Science – Schedule

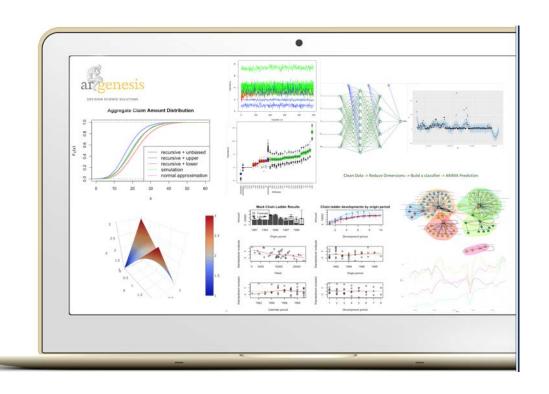| Topic	Description	Speaker	Time/Slot
GI/Life InsurTech	• What is InsurTech	Ed Plowman	15:05 -15:15
	• IoT – Practical applications of IoT in Life Reserving	Dario Flood & Ed Bujok-Stone	15:15 -15:45
	• 'Big Brother' tech - Drones, cameras, image processing, voice analytics with particular focus on prevention and mitigation of loss	Cherry Chan, Sajjad Meghjee & Hugo Clugston	15:45 -16:15
	Refreshments (10mins)		16:15-16:25
GI/Life InsurTech	• Use of AI/ML/RPA/External data/platform integration to simplify, automate and enhance underwriting, claims and other processes	Irfan Akhtar & Taahira Hussain	16:25 -16:55
	• Insuring the emerging risk landscape - parametric, blockchain and other technology enablers of new products for new risks	Nigel Carpenter	16:55 -17:25
Ethics & Regulations	• Professionalism, regulation and ethics	Matthew Byrne	17:25 -17:40
Data Science Certificate	• Overview of Data Science Programme	Melanie Zhang & Colin Thores	17:40 -17:50
	Acknowledgement	John Taylor	17:50 -18:00
	Drinks reception		18:00

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Contact

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Questions

Comments

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