

What you learn

| Session 1 | Session 2 | Session 3 | Session 4 | Session 5 |
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| Foundation 1 | Foundation 2 | Deployment | Advanced | AI + Use Cases |
| Analytics <ul style="list-style-type: none"> - Introduction analytics methods - Analytics use case canvas - Agile analytics | Analytics <ul style="list-style-type: none"> - Prepare, explore and visualize data - Predictive analytics | Analytics <ul style="list-style-type: none"> - Analytics in cloud - Open source - Best practice for deployment analytics - Implement and take action on analytics - Evaluating and monitoring analytics | Analytics <ul style="list-style-type: none"> - Advanced data preparation and exploration - Advanced predictive modeling | Analytics <ul style="list-style-type: none"> - Machine learning and computer vision - Natural language analytics and optimization - Neural networks and deep learning - Ethics, bias and explainability in AI |
| Business Value <ul style="list-style-type: none"> - How to create value - Stakeholder analysis - What is use case and value story | Business Value <ul style="list-style-type: none"> - Business model - Interviewing techniques - Formulate your own analytics use case - Data-analytics personas | Business Value <ul style="list-style-type: none"> - Preparing meetings - Decision process & need analysis - Building trust | Business Value <ul style="list-style-type: none"> - From informer to influencer - Transition model - Change model | Business Value <ul style="list-style-type: none"> - Challenges with change - Presentation techniques |
| Insurance <ul style="list-style-type: none"> - Introduction to Insurance methods - Read data from different DB (data lake and data mart) - Data exploration and diagnostic - Split data (Model/validation) and general honest assessment procedures (bootstrap and k-fold cross-validation) - Clean data and data transformation (imputation, replacement, and transformation) - Profit loss matrix | Insurance <ul style="list-style-type: none"> - Feature extraction and variable selection methods - Claims, churn and fraud model prediction - Triaging claims - Pricing and risk selection (pricing improvement) - Customer segmentation | Insurance <ul style="list-style-type: none"> - Identify themes in claims and transcriptions - Collect documents - Corpus parsing - Topic Modeling (SVD and LDA) - Word embedding - Sentiment analysis from social media - Model deployment | Insurance <ul style="list-style-type: none"> - Policy recommendation engine - Personalised marketing - Customer lifetime value - Real-time monitoring of pricing models | Insurance <ul style="list-style-type: none"> - AI next generation - Computer vision in insurance |