

Improving the Insurance Claims and Underwriting with Graph & NLP



infinilytics

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April 21, 2021

Fast Facts - In 2019

- **The U.S. insurance industry net premiums totaled \$1.32 trillion (48% property/casualty, and 52% life and annuity)**
- **According to the NAIC, there were 5,965 insurance companies in the U.S. (2,496 property/casualty)**
- **The P&C industry spends \$80 billion annually on litigation expenses**
- **Fraud is estimated to cost over \$60 billion (does not include health care)**

The Value of Unstructured Text Analysis

- **Claim and Underwriting Files**
- **Underwriting and Claim Examiners spend 70% of their time gathering information**
- **Critical deadlines (legal and regulatory) can be missed causing the severity of claim to increase**

Insights, lots and lots of insights...

InsurTech 3.0

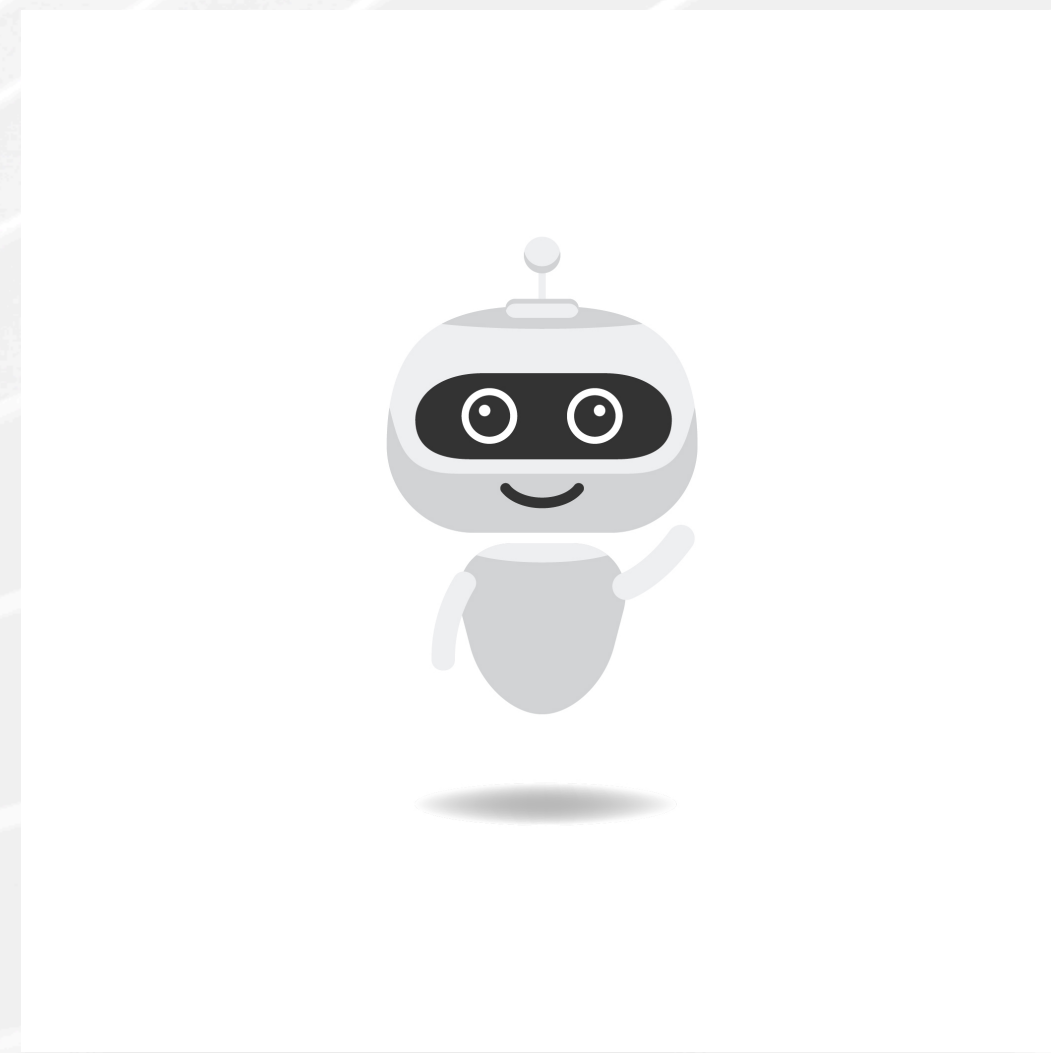


Insight [in sīt] *n* a deep and intuitive understanding of information.

Charleetm delivers cloud-based Insights :

- Including predictions and KPIs
- From all types and sources of data
- Using AI, ML, NLP, SNA, & PA

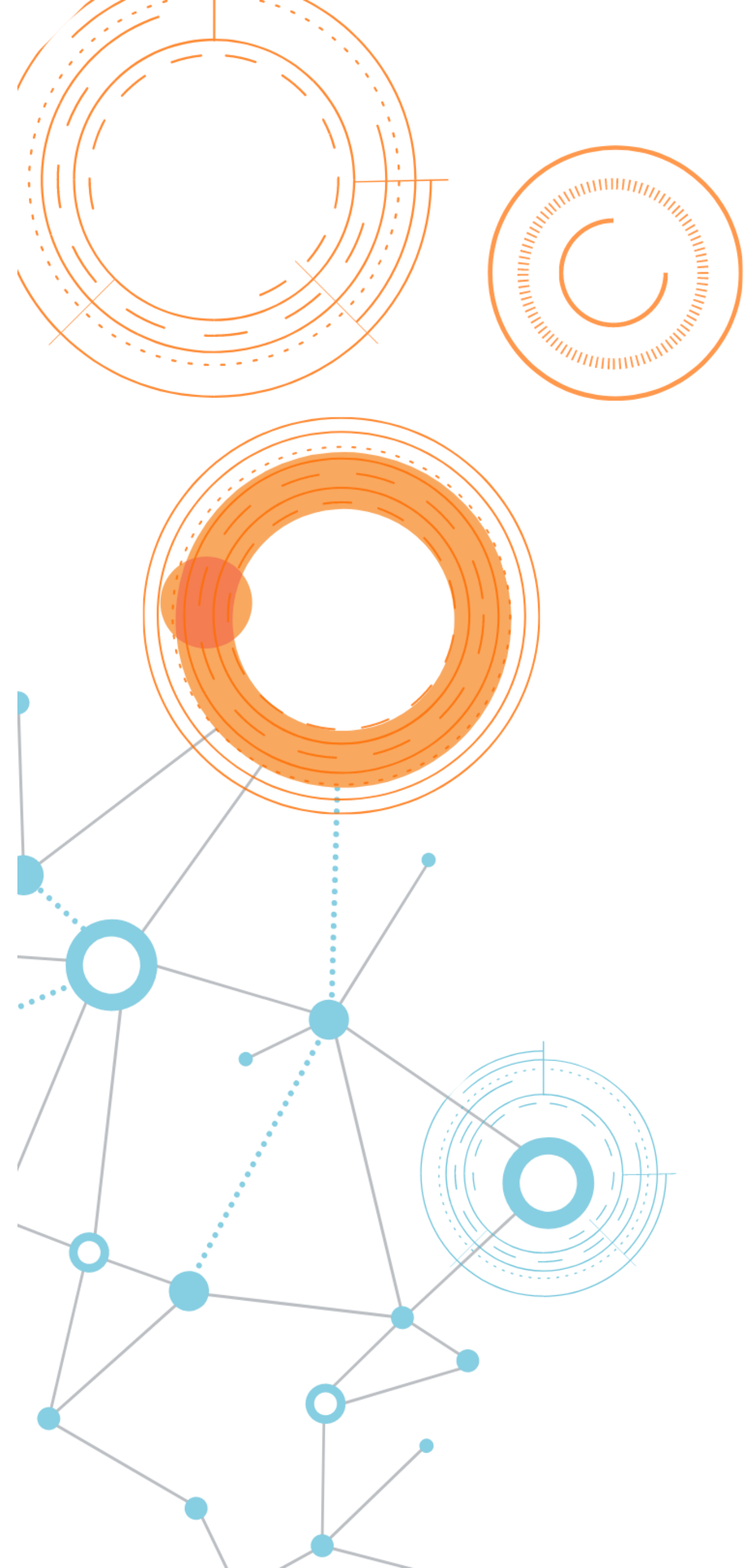
Charlee™ Demonstration



The Benefits of Charlee™

With Graph & NLP Technologies for the Insights Engine

- Business Benefits:
 - Quickly identify patterns in unstructured claims data, leading to high severity/litigation
 - Powerful AI enabled predictive models help effectively manage workflows
 - Improve risk management with learnings from past history
- Technology Benefits:
 - NLP and AI with domain understanding and ontologies extract key insights from unstructured data with context
 - Graph technology helps scale to millions of claims in finding links and patterns
 - Graph is a great technology for capturing and processing NLP Ontologies, and nicely complements machine learning to create a powerful AI solution
- Infinilytics and Tiger Graph are working on a joint POC to show the power our partnership can bring



Question and Answer



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