Databricks Intelligent Platform in 45 Days (DBXi45) – Accelerated MVP Platform Fundamentals for an Insurance Company

Problem

- A leader in risk management, serving many of the world's largest organizations, this insurance company has a long tenure in the data science and machine learning space. Having built a range of models to provide deeper insights into risk quantification and mitigation for insuring industrial sites and equipment. These models include business rule models, optimization models, statistical models, and machine learning models. However, the data science process was largely manual and localized, lacking standardization and automation, which posed challenges in making these models production-ready and scalable.

Solution

- Spyglass MTG engaged to assess their Advanced Analytics needs, which had just started exploring Azure's capabilities. Spyglass reviewed their current workflow, pain points, security requirements, and applied responsible Machine Learning and AI considerations to the assessment. A clear technical and non-technical roadmap and design for evolving the team's workflow was formulated and Databricks was selected as the best of breed platform for their needs.
- This was a fundamental improvement, and while the expected ROI is hard to quantify, new use cases that could be unlocked, and the time saved by the data science teams members could be substantial.

Benefits

- Spyglass MTG's DBXi45 solution provided fundamental improvements that reduced the time required to generate production-ready AI/ML models and helped data scientists without software engineering training succeed in their endeavors. This enabled field engineering team to access up-to-date risk information while visiting customer sites, thereby enhancing productivity and efficiency.
  - Accelerated model deployment, reducing time to production.
  - Empowered data scientists to achieve goals without extensive software engineering training.
  - Enhanced field engineering capabilities with more real-time risk information.
  - Substantial increase in productivity and efficiency for the data science team.

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