

Dynamic Integration Test Suite

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Agenda

- Objectives
- Files
- Challenges and Roadblocks
- Next Steps
- Demo

Objectives

- Create a mock production environment that gives a good representation of the production environment at work
- Create a dynamic integration test suite to test a broad range of pieces within each function
- Enable my team with ideas and a baseline model for implementation in our production environment

Files

- GitHub Repo: https://github.com/ncronk10/Undergrad_Project

Tools:

- Databricks
- Referencing Functions from work
- Amazon S3
- GitHub (actions)
- Data set from: <https://data.world/datadavis/nba-salaries>

Challenges and Roadblocks

- Restructuring of Functions
- Data access issue with storage location
- Using Mock data in Unittests
- Databricks CLI (command line interface)

Next Steps

- Add the ability to use Mock data to test specific inputs and outputs of each function
- Continue to learn and research for potential enhancements and increase quality of test suite
- Implement test suite on my team's production environment to ensure code is of high quality to meet our customer's needs