MGMT 638

Session 2: Stock Market Database & Claude Code Setup

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Database Guide - Complete Documentation

https://portal-guide.rice-business.org

Reference for all tables and variables in the database.

Setup Package

QuantEquity zip file contains:

- `.claude/CLAUDE.md` - Guidance that Claude Code reads
- `rice_data_client.py` - Python client for Rice Data Portal
- `example.ipynb` - Starter notebook with examples
- `README.txt` - Complete setup instructions

What you need:

- Your Rice Data Portal access token:
  https://data-portal.rice-business.org
- Claude Code installed
- Python with pandas and jupyter

Quick Setup Steps

1. Extract the zip file

```
RiceDataProject/
|-- .claude/CLAUDE.md
|-- rice_data_client.py
|-- example.ipynb
+-- README.txt
```

3. Start Claude Code in the QuantEquity folder

4. Open example.ipynb and add your access token

Using Claude Code with Rice Data

Example prompts to try:

- "Create a notebook that gets monthly prices for Apple"
- "Create a notebook that gets quarterly revenue growth for Microsoft"
- "Create a notebook that gets the 10 largest tech companies by market cap"
- "Create a notebook that gets daily PE ratios for Tesla and plot them"

Getting Help

- **Full documentation:** https://portal-guide.rice-business.org
- **Example queries:** Check example.ipynb
- **Ask Claude Code:** It has the expertise from CLAUDE.md
- **README.txt:** Setup instructions and troubleshooting