

# MGMT 638

## Session 2: Stock Market Database & Claude Code Setup

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`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"

- **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

## Practice Exercise: Streamlit App

### Suggested prompt for Claude Code:

"Create a Streamlit app that prompts the user for their name and then displays a Hello `jnamej` screen followed by an animation of fireworks."

### Try this to learn:

- How to interact with Claude Code
- How Claude generates complete working code
- How to run a Streamlit application