

MGMT 638

Session 1

Kerry Back

Fall 2025

- PDF: *Quality Minus Junk*, Asness, Frazzini, and Pedersen, 2019
- Video: *Quality Minus Junk*, Asness, Frazzini, and Pedersen, 2019

- Factor Investing at BlackRock
- Video: Factor Investing
- Systematic Equities at AQR
- Returns from Sorts on Factors



BY ANTHROPIC

Claude Code

Part of a new generation of terminal-based coding agents, along with OpenAI Codex and Gemini CLI.

It integrates well with popular development environments like VS Code.

Using standard Anthropic models, it is optimized for development tasks.

Requires Claude Pro subscription



Varieties of Claude



Claude.ai

Interact with Claude directly through its intuitive web interface for general tasks and conversations.



Claude Desktop

Access Claude as a dedicated desktop application for enhanced productivity and offline capabilities.



Claude Code in Terminal

Integrate Claude's coding capabilities into your command-line workflow for quick code generation and debugging.



Claude Code in VS Code

Leverage Claude's advanced code assistance directly within your VS Code development environment.

Claude Code's Capabilities



File Operations

Create, edit, copy, move, and delete files



Document Creation

Generate and edit **LaTeX** documents.
Generate **Word** docs, **PowerPoint** presentations, and **Excel** workbooks



Python Development

Write, edit, and execute **Python scripts** and **Jupyter notebooks**



Deployment

Create **GitHub** repositories and **deploy apps** on hosting platforms



1. Sign up for Claude Pro:

1. Visit claude.ai
2. Click “Sign Up” or “Get Started”
3. Create account using email or Google/Apple sign-in
4. After signing in, click “Upgrade to Pro” in the sidebar
5. Choose the monthly payment plan
6. Complete payment information

2. [YouTube Video](#)

Mac - Install Claude Code

Step 1: Install Node.js

- Using Homebrew: `brew install node`
- Or download installer from nodejs.org

Step 2: Install Claude Code

- Run: `npm install -g @anthropic-ai/claude-code`

Step 4: Verify Installation

- Run: `claude doctor`

Step 1: Install Node.js

- Download and install from nodejs.org
- Choose the LTS (Long Term Support) version

Step 2: Install Git for Windows

- Download from git-scm.com/download/win
- During installation, select "Git Bash" (default option)
- This provides the bash shell that Claude Code needs

Step 3: Uninstall Claude Code (if you installed Claude Code before)

- Open PowerShell
- Run: `npm uninstall -g @anthropic-ai/claude-code`

Step 4: Install Claude Code

- In PowerShell, run: `npm install -g @anthropic-ai/claude-code`

Step 5: Verify Installation

- In PowerShell, run: `claude doctor`

Mac and Windows - Install Python

- Tell Claude Code: “Install Python 3.13 and add it to the path.”
- Claude will detect your OS and install Python appropriately
- Tell Claude Code: “Upgrade pip”

Mac and Windows - Install VS Code and Extensions

Step 1: Install VS Code

- Tell Claude Code: "Install VS Code"
- Or download from code.visualstudio.com

Step 2: Install VS Code Extensions

Tell Claude Code to install these VS Code extensions:

- Python
- Jupyter
- Claude Code

Create and Open Course Folder

Step 1: Create a Course Folder

- Create a folder (e.g., mgmt638 in Documents)

Step 2: Open VS Code

- Launch VS Code

Step 3: Open Your Course Folder

- In VS Code: File → Open Folder
- Navigate to your course folder and select it
- Click "Select Folder" (or "Open" on Mac)

Explore VS Code

- Left toolbar: Files icon should open a file explorer view
- Left toolbar: Extensions icon should open a view of the three installed extensions. If any extension has an Update button, update it.
- Top menus: File → New text file. Open folder, close folder, new window, ...
- Top menus: View → Command Palette. Enter 'Python: Select Interpreter' and choose the venv option.
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- Top menus: Terminal → New terminal

Launch Claude Code

- If you see the orange Claude icon in the top toolbar, click it.
- If not, create a new file (File → New Text File) and you should see it.
- Or View → Command Palette and enter 'Claude Code: Open in New Tab.'

Create Virtual Environment

Tell Claude Code:

- “Create a virtual environment using Python 3.13 in my current directory.”
- This keeps course packages isolated from other Python projects

Tell Claude Code to ‘pip install’ the following packages in the virtual environment:

- `numpy pandas scipy statsmodels scikit-learn`
- `openpyxl matplotlib seaborn ipykernel`
- `pandas-datareader streamlit requests python-dotenv`

Tell Claude Code to write and run a python script that sums the first 1,000 integers and prints the total so the user can view the total.

You should see that the total is 500500.