MGMT 638

Session 1

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- 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

Claude

BY ANTHROP\C

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 Code in Terminal

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

Claude Desktop

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

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

Initial Steps

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

Windows - Install Claude Code

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

Windows - Install Claude Code

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 Clause Code: "Upgrade pip"

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.