Fullscreen

FP WEALTH SOLUTIONS ACADEMY

AI for Documents and Analytics

Day 2: Advanced Document Processing

November 29, 2025 • Zhemal Khamidun

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DAY 1 RECAP AND TODAY'S AGENDA

WHAT WE COVERED AND WHAT LIES AHEAD

CONTEXT WINDOW

HOW MUCH INFORMATION FITS IN A SINGLE CHAT

Token ≈ 0.75 words. The context window is the AI's "working memory": everything that fits within a single conversation.

128K

ChatGPT
≈200 pages

200K

Claude Opus
≈300 pages

1M

Gemini
≈1,500 pages

1M

Claude API
≈1,500 pages

Important: When the context overflows, the AI starts "forgetting" the beginning of the conversation. Solution: start a new chat and provide the key context again.

CLAUDE PRO FOR DOCUMENTS

YOUR PERSONAL ANALYST

Rule of thumb: Claude works best when you upload a document and provide a clear instruction on exactly what to extract from it.

TYPES OF DOCUMENTS WE PROCESS

WHAT WE HANDLE ON A DAILY BASIS

PRACTICE: DATA EXTRACTION

PROMPT FOR WORKING WITH BANK STATEMENTS

PROMPT FOR EXTRACTING DATA FROM A BANK STATEMENT

Copy

```
Analyse the attached bank statement and extract: 1. Total Portfolio Value 2. Breakdown by asset class: - Equities - name, quantity, value - Bonds - ISIN, coupon, maturity date - Funds - name, NAV, weight - Cash - currency, amount 3. Top 5 positions by size 4. Currency allocation (% by currency) 5. Changes over the quarter (if available) Present the results in a structured table format.
```

Tip: Upload the PDF directly into Claude. Do not convert it to text — Claude can read PDFs natively.

JULIUS PRO

A SPECIALISED DATA ANALYTICS PLATFORM

Key differentiator: Julius does not "make up" numbers. It writes Python code that runs on your actual data. The result is always accurate.

JULIUS PRO VS CHATGPT

WHEN TO USE WHICH TOOL

Criterion	Julius Pro	ChatGPT / Claude
Data size	Up to 32 GB	Limited by context window
Calculation accuracy	100% (executes code)	Errors possible
Visualisation	Built-in charts	Limited
Text analysis	Weak	Excellent
Report generation	Data only	Full-fledged documents
Cost	$20/month	$20/month

Takeaway: Use Julius for precise calculations and large spreadsheets. Use Claude for document analysis and report generation. Together they cover 90% of tasks.

WHAT IS AN AI AGENT

THEORY: FROM CHATBOT TO AUTONOMOUS SYSTEM

AI agent — a system that does not merely generate text but can plan actions, use tools, and execute tasks step by step. Unlike a standard chatbot, an agent can decide on its own which tool to invoke.

HOW OUR TOOLS WORK

WHAT HAPPENS UNDER THE HOOD

THE AGENTIC LOOP

HOW AN AI AGENT SOLVES TASKS STEP BY STEP

Why does this matter?

Understanding how an agent works allows you to assign better tasks. An agent is not a magician but an executor with a set of tools. The more precise the task, the better the result.

PORTFOLIO REVIEWS: THE PROBLEM

40+ HOURS PER WEEK OF MANUAL WORK

40+

hours/week on Portfolio Reviews

6+

banks different formats

4-6

hours per single review

AUTOMATING PORTFOLIO REVIEWS

4 STEPS FROM STATEMENT TO REPORT

1

Extraction

Upload bank statements. Extract positions, balances, and transactions.

2

Reconciliation

Automated valuation checks. Identify discrepancies and errors.

3

Structuring

Populate Excel. Allocate by asset class, currency, and region.

4

Report

Generate the presentation. Charts, tables, and recommendations.

Result: A manual Portfolio Review takes 4-6 hours. With AI, it takes 1-2 hours. A time saving of 60-70%.

PORTFOLIO REVIEW PROMPT

COPY AND USE

PROMPT FOR PORTFOLIO REVIEW

Copy

You are an analyst in the Wealth Management department of FP Wealth Solutions. Analyse the attached bank statements and prepare a draft Portfolio Review: 1. PORTFOLIO SUMMARY: - Total Assets Under Management (AUM) in USD - Breakdown by custodian/bank - Currency allocation (%) 2. ASSET CLASS ALLOCATION: - Equities / Bonds / Funds / Cash / Alternatives - Current vs target allocation - Deviations from mandate 3. PERFORMANCE: - Quarterly performance (%) - Benchmark comparison - Top 3 best and worst performers 4. RECOMMENDATIONS: - Rebalancing (if required) - Current portfolio risks - Optimisation opportunities Format: tables + brief commentary.

WEEKLY CASH BALANCE RECONCILIATION

AUTOMATING A ROUTINE PROCESS

DOCUMENT TRANSLATION

DEEPL VS CLAUDE:
WHEN TO USE WHICH

THE RIGHT TRANSLATION PROMPT

POOR VS EFFECTIVE PROMPT

PERPLEXITY DEEP RESEARCH

RESEARCH WITH REAL-TIME DATA FROM THE INTERNET

PERPLEXITY SEARCH USE CASES

6 QUERY TYPES FOR WEALTH MANAGEMENT

MANUS AI

AUTONOMOUS AI AGENT FOR COMPLEX TASKS

Difference from Perplexity: Perplexity provides a text response with links. Manus creates ready-to-use files (Excel, Word, PDF) and can execute multi-step tasks autonomously.

GAMMA

AI-POWERED PRESENTATION AND DOCUMENT GENERATION

CLAUDE IN EXCEL

AI ASSISTANT DIRECTLY IN YOUR SPREADSHEETS (ADD-IN, 2026)

How to connect: Microsoft 365 → Get Add-ins → Claude for Excel. Requires a Claude Pro subscription ($20/month) or Team/Enterprise.

CLAUDE IN POWERPOINT

NATIVE EDITABLE SLIDES (LAUNCHING FEBRUARY 2026)

Gamma vs

PPTX: Gam
generates
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Claude PP
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How to co

Microsoft 3
Add-ins → C
PowerPoint.
Claude
Pro/Max/Te

CASE STUDY 1: BANK STATEMENT ANALYSIS

SWISS BANKS AND UAE BROKERS

CASE STUDY 2: AUTOMATING DUE DILIGENCE

SOURCE OF WEALTH REPORTS

Result: A Due Diligence report that previously took 6-8 hours is now prepared in 1.5-2 hours with AI. Quality improves through standardisation.

SOURCE OF WEALTH PROMPT

KEY SECTIONS

SOURCE OF WEALTH REPORT STRUCTURE

Copy

You are a compliance specialist at FP Wealth Solutions. Create a Source of Wealth report based on the questionnaire. USE ONLY data from the attached document. REPORT STRUCTURE: 1. Personal Information (full name, passport, addresses) 2. Family (family members) 3. Education (educational background) 4. Career (career history with periods and income) 5. Business Participation (shareholdings in companies) 6. Annual Income (income table by year in USD) 7. Net Worth (total wealth) 8. Real Estate (property) 9. Bankable Assets (accounts and brokers) 10. Sanctions & Adverse Media Screening Currencies: convert to USD at the average annual rate. Language: English only.

DAY 2 TOOLS

8 AI TOOLS FOR WEALTH MANAGEMENT

COMBINING TOOLS

WORKFLOW FOR END-TO-END TASK COMPLETION

Principle: Each tool does what it does bes
Perplexity — real-tim data.
Claude — document analysis.
Julius — precise calculation
DeepL — translation

AI HALLUCINATIONS IN FINANCE

WHAT CAN GO WRONG AND HOW TO PROTECT YOURSELF

15-20%

of GPT-4 responses contain factual errors

5-10%

error rate in data extraction from PDFs

<1%

error rate with Julius (code + verification)

KEY TAKEAWAYS

12 MAIN LESSONS FROM DAY 2

- **AI agents are not chatbots:** They plan, use tools, and self-verify
- **Julius Pro for precise calculations:** Writes Python code, executes on real data, no hallucinations
- **Context window is critical:** Claude with 200K tokens is better suited for Portfolio Reviews than ChatGPT
- **Perplexity for fact-checking:** Sanctions, adverse media, corporate data. Always with source links
- **Manus is an autonomous agent:** Comprehensive research with ready-made files (Excel, Word, PDF). Delegate complex tasks
- **Gamma for presentations in minutes:** Portfolio Review, Investment Proposal, quarterly reviews with professional design
- **Claude in Excel:** AI directly in spreadsheets — formulas, pivot tables, charts, MCP connectors to financial data (S&P, LSEG, FactSet)
- **Claude in PowerPoint:** Native slides within existing templates. Gamma for creating from scratch, Claude PPTX for working within templates
- **Effective prompting for translation:** Legal documents — DeepL; marketing — Claude
- **Hallucinations are the primary risk:** 15-20% of responses contain errors. "USE ONLY data from the document"
- **Combine your tools:** Perplexity → Claude → Julius → DeepL → Gamma. Each one does its part
- **AI = draft, human = verification:** Especially for financial data and client reports

HOMEWORK

2-3 HOURS OF PRACTICE BEFORE THE NEXT SESSION

Next session:

December 20, 2025 — Vibecoding and Claude Code