

THE TECHNOLOGIZED INVESTOR



Innovation through
Reorientation

Ashby H.B. Monk and Dane Rook

"BY FAR THE BEST BOOK ABOUT INVESTING EVER WRITTEN."

—WARREN E. BUFFETT, FROM THE PREFACE

THE INTELLIGENT INVESTOR

THE DEFINITIVE BOOK ON VALUE INVESTING

THIRD EDITION

BENJAMIN GRAHAM

UPDATED WITH NEW COMMENTARY
BY JASON ZWEIG

Innovation - AAA Strategy

Automation (RPA) :

- Processes, Reports, Dashboards
- Dashboards, BI Applications
- Cloud Computing
- Remote and Contingency Work Analytics

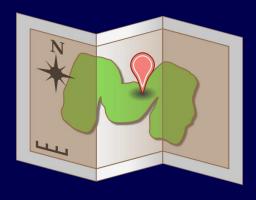
Analytics:

- Repository Financial Information and Research. Quantamental Approach (Systematic Strategies, Factors, ESG)
- Advanced Analytics Big Data
- Data Lakes
- Model Management

AI (Artificial Intelligence)

- AI Forecasting
- Alternative Data
- Deep Learning
- Sentiment Analysis
- Auto ML
- Cloud AI Services





MAP

GPS



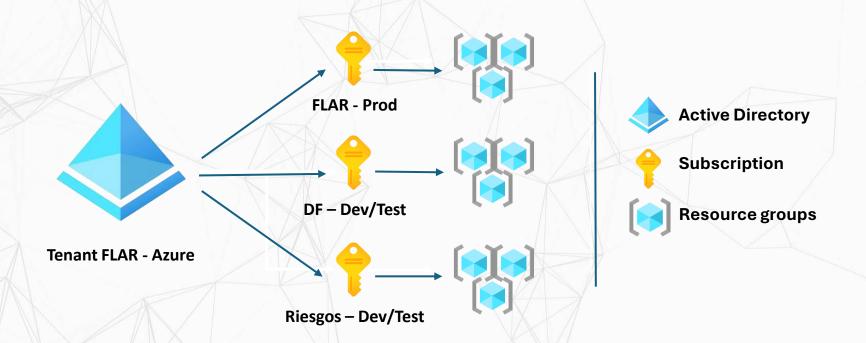
- More information
- Better **decision** making
- Greater sense of location
- Takes **preferences** into account
- Can be constantly **updated**







FLAR subscription structure in Azure



Sandbox

 It is a controlled and safe environment where you can accomplish:

1) Capacity Building:

- Receive consulting and assistance to integrate and implement your own solutions.
- 2) Proofs of Concept (PoC).
- Access our tools and technology to experiment.
- 3) Building new applications:
- Collaborate with us to innovate and create solutions together.
- All this without affecting the main system or environment.





Microsoft Azure



















Azure Open Al



Python









Column-by-column search to be able to track the origin of the information.

Before

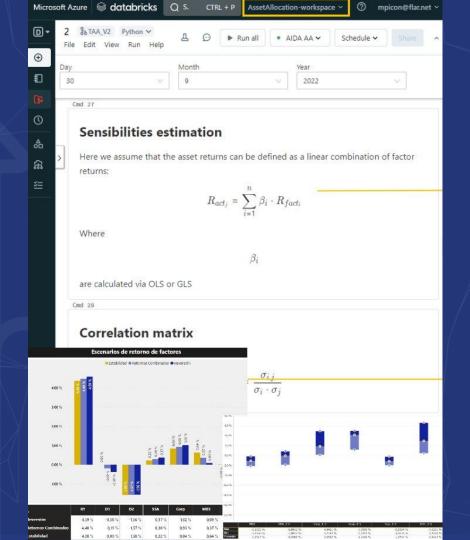
- 14 Excel files that depended on each other.
- Formulas with references to external files and/or without the necessary traceability.
- Static visualizations, graphs did not complement or facilitate the subsequent data analysis process.

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Factor	Dot com	Crisis Financiera	Crisis Eurozona I	Crisis Eurozona II		Crisis commodities		Cov
Yield	0.14%	0.13%	0.14%	0.11%	0.32%	0.36%	0.27%	
D1	0.10%	0.16%	0.19%	0.15%	-0.19%	-0.11%	0.05%	
Curva [7-10] - [1-3] Spread SSA	0.32%	0.25% -0.11%	0.28%	0.52%	-0.82% 0.23%	0.47% -0.01%	0.47%	
Spread SSA Spread Corp.	0.16%	-0.11%	0.19%	0.56%	0.23%	-0.01%	0.18%	
Spread MBS	0.20%	0.28%	-1.02%	0.22%	0.29%	0.13%	-0.37%	
BEI 5 años	-0.28%	-0.78%	1.53%	0.23%	0.00%	-0.52%	-0.63%	
								- 8
ВМ	Dot com	Crisis Financiera	Crisis Eurozona I	Crisis Eurozona II		Crisis commodities		Cov
Yield	0.13%	0.12%	0.13%	0.10%	0.30%	0.34%	0.25%	
D1	0.05%	0.08%	0.10%	0.08%	-0.10%	-0.06%	0.03%	_
Curva [7-10] - [1-3] Spread SSA	0.05% -0.01%	0.04%	0.04%	0.07% -0.01%	-0.12% -0.01%	0.07%	0.07%	
Spread Corp.	0.07%	-0.08%	0.06%	0.07%	0.07%	0.04%	0.03%	
Spread MBS	0.02%	0.03%	-0.11%	0.02%	0.03%	0.01%	-0.04%	
BEI 5 años	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
Ret.	0.31%	0.20%	0.21%	0.34%	0.17%	0.40%	0.33%	
Prop. TAA (Abs)	Dot com	Crisis Financiera	Crisis Eurozona I	Crisis Eurozona II	Taper tantrum	Crisis commodities	Sell-off 2018	Covi
Yield	0.13%	0.12%	0.13%	0.10%	0.29%	0.32%	0.24%	
D1	0.04%	0.07%	0.09%	0.07%	-0.09%	-0.05%	0.02%	
Curva [7-10] - [1-3]	0.03%	0.03%	0.03%	0.06%	-0.09%	0.05%	0.05%	
Spread SSA	-0.01%	0.01%	-0.02%	-0.02%	-0.02%	0.00%	-0.02%	
Spread Corp.	0.06%	-0.08%	0.06%	0.07%	0.07%	0.04%	0.03%	
Spread MBS BEI 5 años	-0.01%	0.03% -0.01%	-0.10% 0.03%	0.02%	0.03%	-0.01%	-0.04% -0.01%	
Ret.	0.27%	0.16%	0.21%	0.30%	0.00%	0.36%	0.28%	
	-			-				
Prop. TAA (Rel)	Dot com	Crisis Financiera	Crisis Eurozona I	Crisis Eurozona II				Cov
Yield	-0.01%	0.00%	-0.01%	0.00%	-0.01%	-0.01%	-0.01%	
D1 Curva [7-10] - [1-3]	-0.01%	-0.01% -0.01%	-0.02%	-0.01% -0.02%	0.02% 0.03%	0.01%	0.00%	
Spread SSA	-0.01% 0.00%	-0.01%	-0.01%	-0.02%	-0.01%	-0.02%	-0.02% -0.01%	-
0 10	0.00%	0.0076	0.01/0	0.0170	0.0176	3.00%	0.0076	

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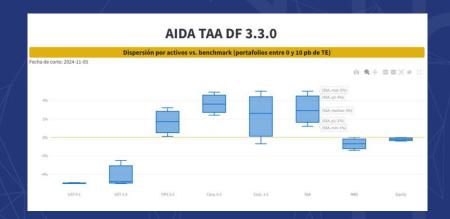
Now: Jupyter Notebooks

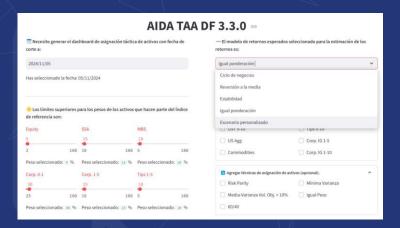
- There is a project in the cloud where all the material necessary for the process is located.
- Formulas with support.
- Visualization of information in dynamic graphs, customizable and easier to share.



Now: Web Application

- Centralized and efficient access: Everything available in one place to facilitate interaction.
- Optimized flow: Reduced steps and high customization to suit user needs.
- Dynamic visualization: Interactive tables that improve data analysis and understanding.
- Advanced simulations: Tools that allow simulations with a high degree of complexity.





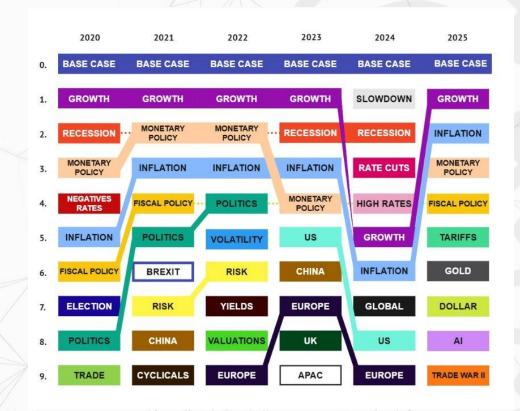


Reporte Bloomberg

Here's (Almost) Everything Wall Street Expects in 2025



Reporte Bloomberg

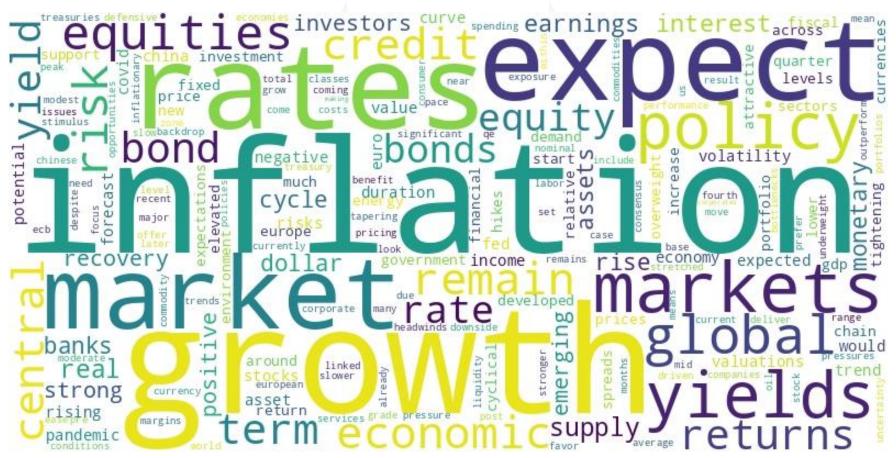


Methodology

Forget all your previous instructions. Pretend you are a financial expert. You are a financial expert with stock recommendation experience. Answer "YES" if good news, "NO" if bad news, or "UNKNOWN" if uncertain in the first line. Then elaborate with one short and concise sentence on the next line. Is this headline good or bad for the stock price of _company_name_ in the _term_ term? Headline: _headline.

Fuente: Lopez-Lira, A., & Tang, Y. (2023). Can chatgpt forecast stock price movements? return predictability and large language models. arXiv preprint arXiv:2304.07619.

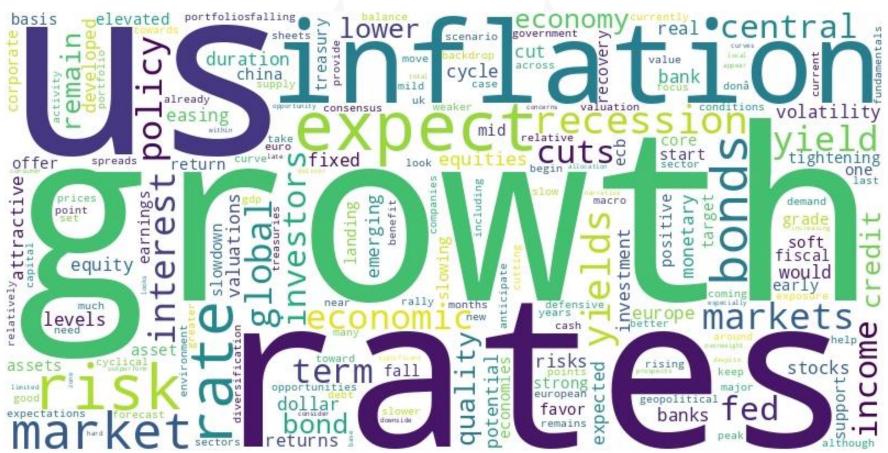
Word Cloud (2022)



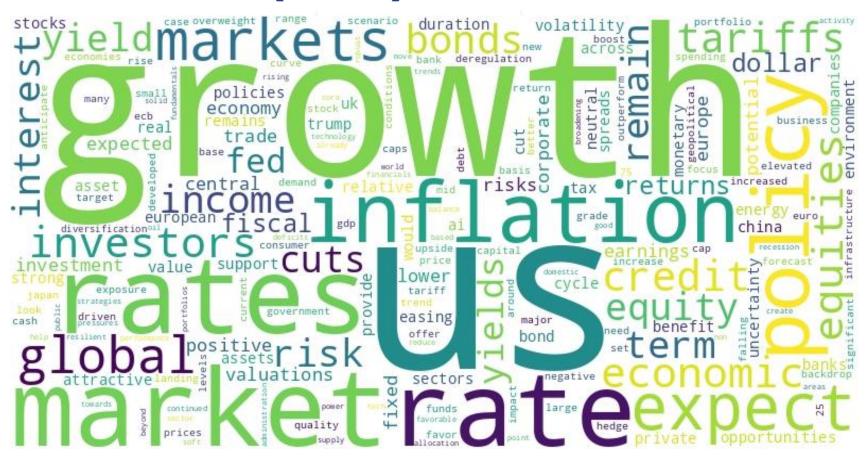
Word Cloud (2023)



Word Cloud (2024)

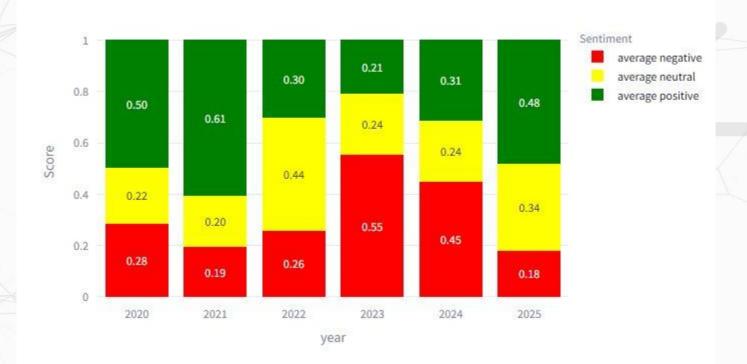


Word Cloud (2025)

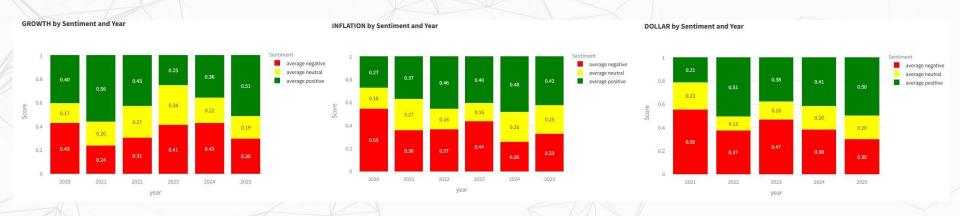


Análisis de Sentimiento Caso Base

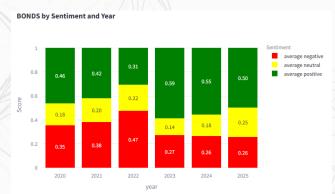
BASE CASE by Sentiment and Year



Análisis de Sentimiento Temas



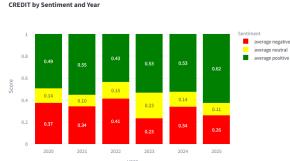
Análisis de Sentimiento Activos



1			
	id	Bonds	Ranking
Œ	2020	8%	1
	2021	-2%	4
1	2022	-13%	5
	2023	6%	2
	2024	1%	3



Año	Stocks	Ranking
2020	16%	5
2021	27%	1 /
2022	-19%	4
2023	24%	2
2024	23%	3

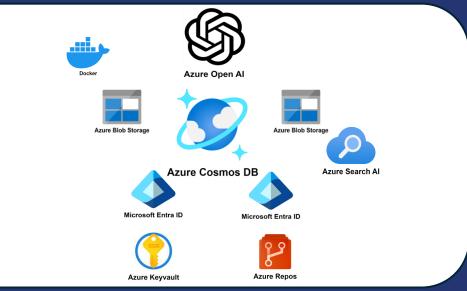


Año	Spread	Ranking
2020	2	4
2021	-5	3
2022	34	5
2023	-28	1
2024	-16	2

¿What is RALF Gen AI App?

It is a personal productivity tool powered by artificial intelligence, designed to assist in searching for and consulting information of interest.









R.

Crea una ilustración de dibujos animados de mi...



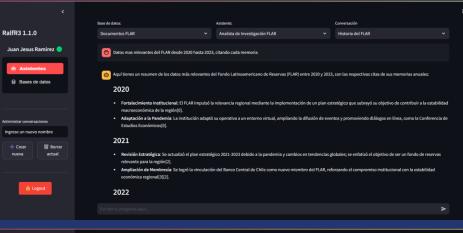
Qué es la nostalgia para un niño

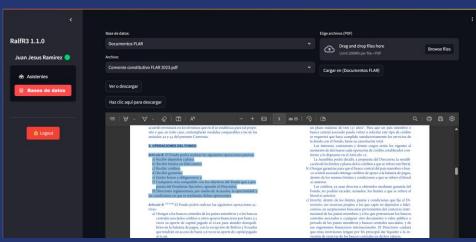


Mensaje para invita vecinos a casa



para automatizar









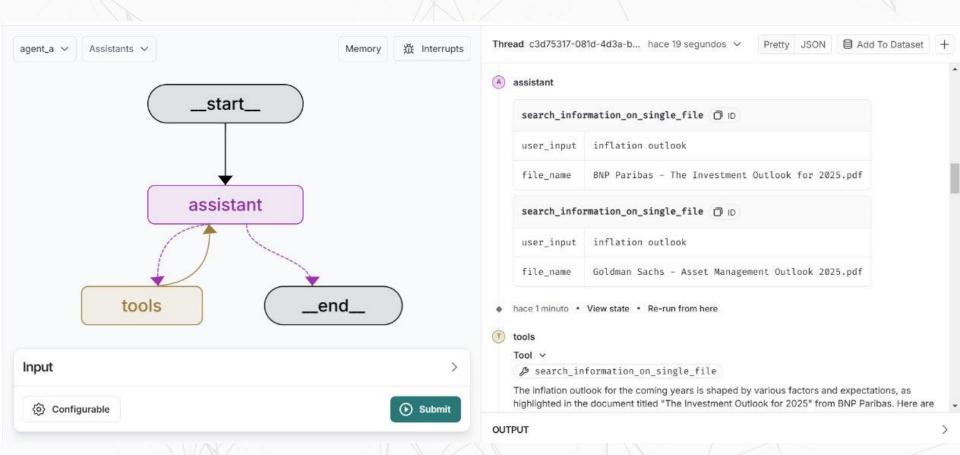
RALF – Foro Secular



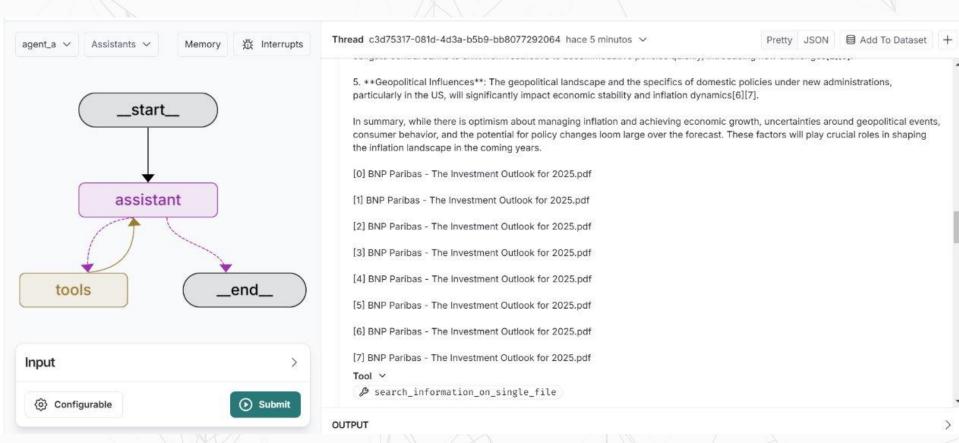
Los agentes de inteligencia artificial están diseñados para realizar tareas específicas, responder preguntas y automatizar procesos para los usuarios. Estos agentes varían ampliamente en complejidad. Van desde bots de chat simples, hasta asistentes avanzados de inteligencia artificial en forma de sistemas digitales o robóticos que pueden ejecutar flujos de trabajo complejos de forma autónoma. (Microsoft)

RALF - Secular Forum

RALF - Foro Secular (AI Agent)



RALF - Foro Secular (AI Agent)



RALF - Foro Secular (AI Agent)

