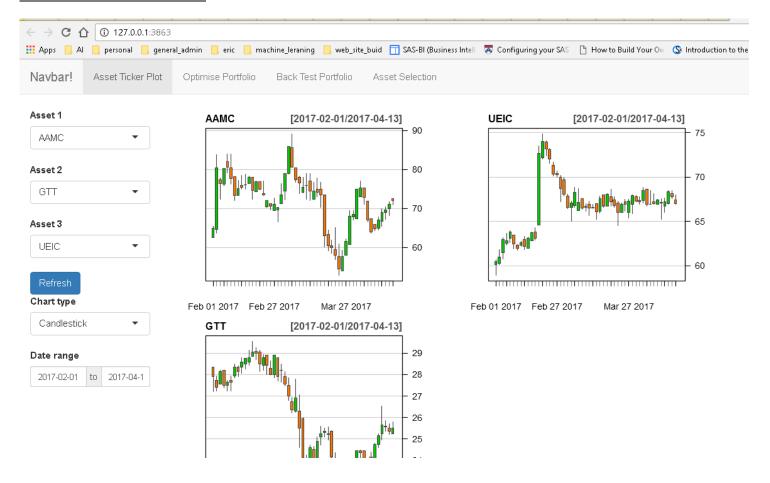
Portforlio selection Web Application using R

This project required below feature set developed

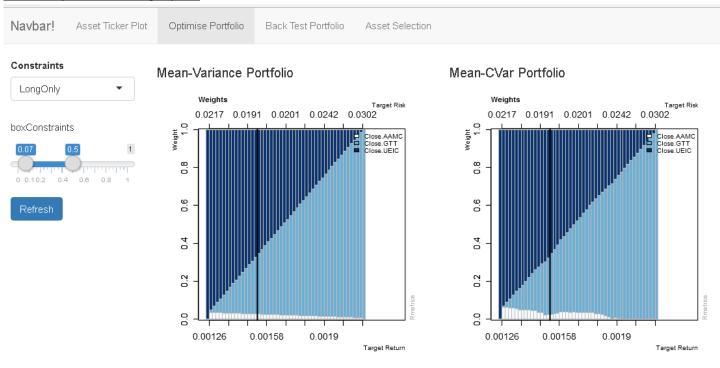
- 1. Pull data from web and view the tickers
- 2. Searching for assets from Exchanges –AMEX, NASDAQ, NYSE
- 3. Grouping assets
- 4. Create portfolios and visualise
- 5. Back test portfolios

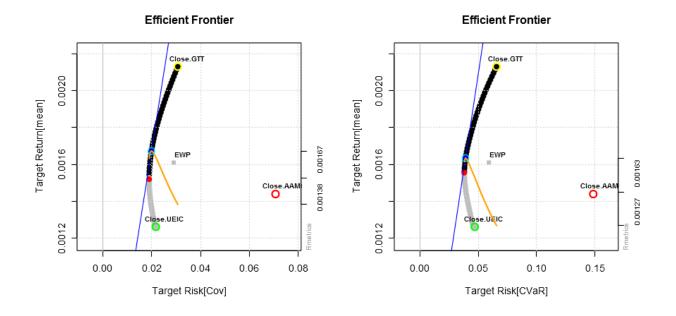
A web application was developed using R shiny. And the analysis was done using R

1.Pull data and view the tickers



2. Create portfolios and get plots

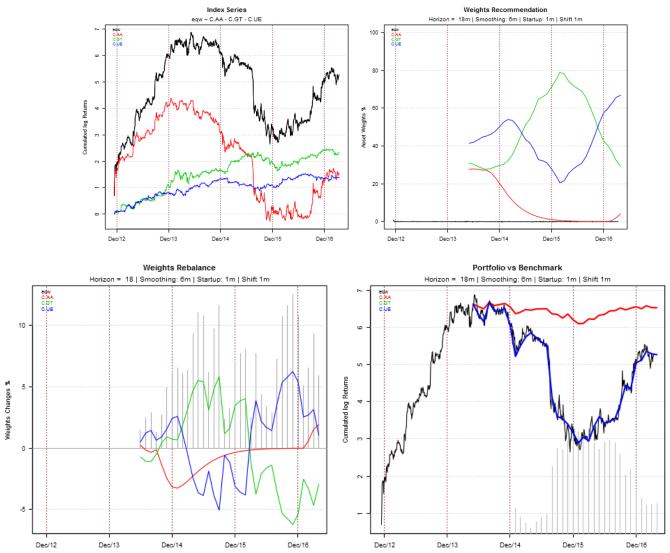


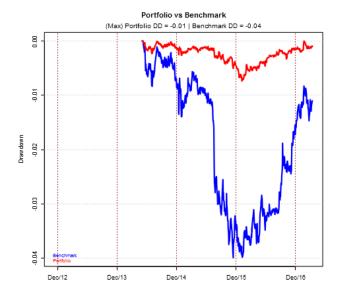


3. Back test portfolios

Optimise Portfolio Back Test Portfolio Asset Selection Navbar! Asset Ticker Plot







strategy: tangency strategy
Total Return -0.10 -1.36
Mean Return -0.10 -1.36
Mean Return -0.00 -0.04
StandardDev Return 0.08 -0.39
Maximum Loss -0.18 -1.42

Portrollo Specification:
Type: MV
Optimize: minRisk
Estimator: coxEstimator

Constraints:
"LongOmly"

4.Searching for assets

xchange	Show	10 ▼ entrie	S					Search:			Industry
DAMEX ØNASDAQ		Symbol \$	Name	♦ Last	Sale 🛊	MarketCap	IPOyear 🛊	Sector \$	Industry	Exchange 🛊	✓ Real Estate ☐ Precious Metals
■ NYSE Sector ✓ Finance ■ Basic Industries ■ NA ■ Capital Goods ■ Technology ■ Public Utilities ■ Health Care ■ Energy	920	CIGI	Colliers International Group Inc.		47.5	\$1.78B		Finance	Real Estate	NASDAQ	NAIndustrial
	1017	CRESY	Cresud S.A.C.I.F. y A.		20.9	\$1.05B	1997	Finance	Real Estate	NASDAQ	Machinery/Components Diversified Commercial Services Power Generation Hospital/Nursing Managen Oil Refining/Marketing Real Estate Investment Tru Professional Services Military/Government/Techn
	1482	FRPH	FRP Holdings, Inc.		38.6	\$382.68M		Finance	Real Estate	NASDAQ	
	1497	FSV	FirstService Corporation		59.77	\$2.06B		Finance	Real Estate	NASDAQ	
	1616	GOV	Government Properties Income Trust		22.21	\$1.58B	2009	Finance	Real Estate	NASDAQ	
Consumer Services Consumer Non-Durables	1617	GOVNI	Government Properties Income Trust		25.02			Finance	Real Estate	NASDAQ	 Mining & Quarrying of Nonmetallic Minerals (No Fuels)
Miscellaneous Consumer Durables Transportation	1632	GRIF	Griffin Industrial Realty, Inc.		31.25	\$156.27M		Finance	Real Estate	NASDAQ	Packaged FoodsMajor Pharmaceuticals
Selected Assets	1700	HGSH	China HGS Real Estate, Inc.		1.73	\$77.94M		Finance	Real Estate	NASDAQ	 Medical Specialities Biotechnology: Biological Products (No Diagnostic Substances) Industrial Specialties
	1815	ILG	ILG, Inc		21.32	\$2.65B		Finance	Real Estate	NASDAQ	
	2212	MMAC	MMA Capital Management, LLC		23.4	\$136.64M		Finance	Real Estate	NASDAQ	Business ServicesEnvironmental Services

5.Grouping assets

