

Summary

The dashboard illustrates the changes that were made to the portfolio during rebalance on 20200806 and the comparison of the portfolio with the benchmark. Overall, there were 470 changes to the portfolio during rebalance including the decrease and increase in individual stock allocation as well as closing the current positions in several stocks and opening new positions. The portfolio allocation is very close to benchmark in terms of sectors and countries. The rebalance has a significant impact on individual stocks allocation, but very slight effect on allocation within countries and sectors

Countries & Areas & Sectors

Overall, the rebalance didn't affect countries and sectors allocation. The bar charts illustrate the comparison of portfolio allocation before rebalance and after rebalance per listing or risk country and GICS1 sector. The portfolio allocation is compared with the benchmark. The largest increase in the proportion of stocks is observed for stocks of Canada and Denmark and the largest decrease of exposure to Singapore stocks.

The bar chart to the right and the bottom waterfall plot demonstrate the portfolio allocation per sector and the changes that were made during rebalance. The largest decrease has happened in Materials sector and the largest increase is in Health care and Consumer discretionary sectors. The benchmark and the portfolio are very similar in terms of sectors stock allocation, the largest difference is observed for Communication Services Sector, for which benchmark is exposed 2% more than the portfolio.

Individual Stocks

The top significant changes due to rebalance in individual stocks including the decrease and the increase and their fundamental parameters are presented in the table below.

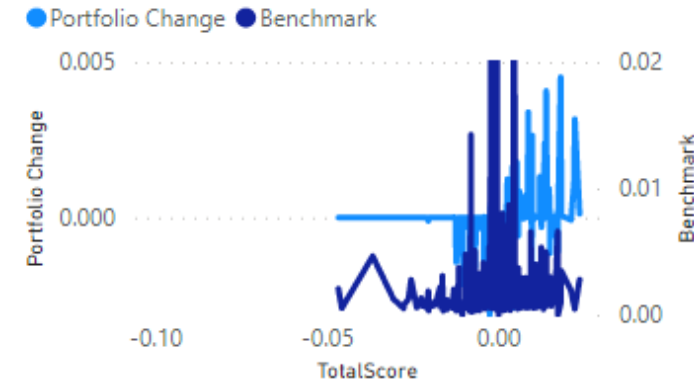
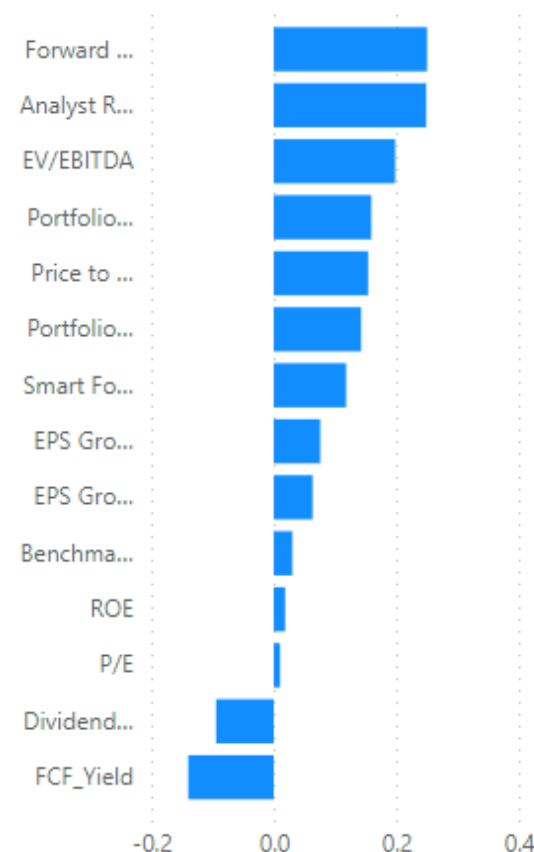
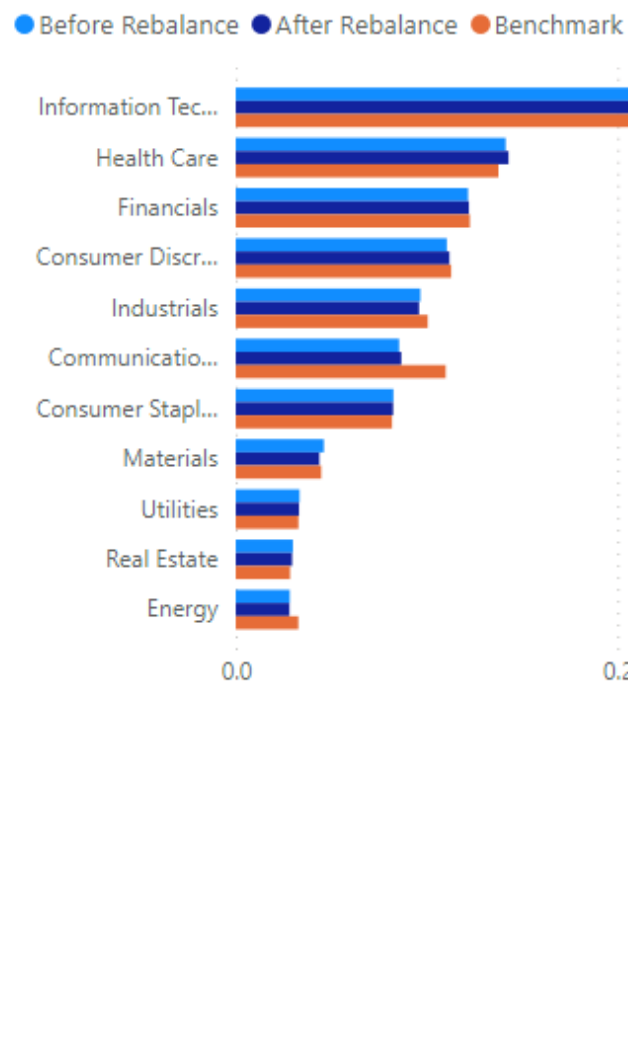
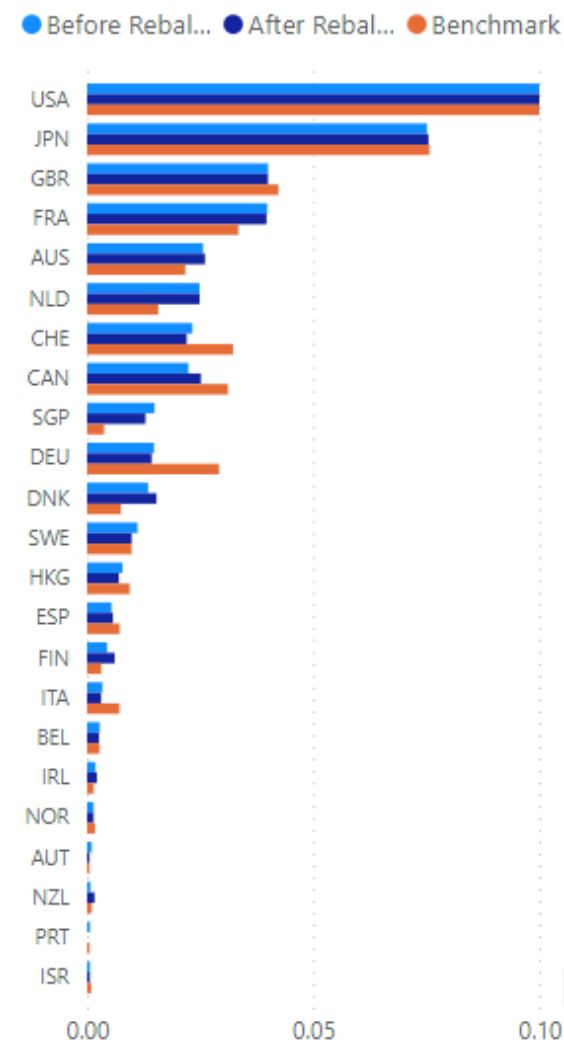
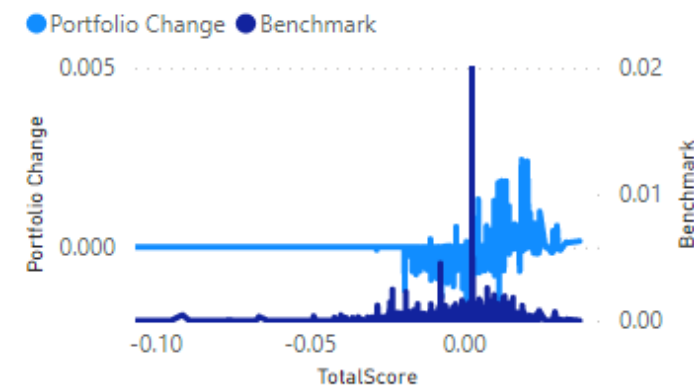
The sizeInd has a relationship with the size of stock allocation for benchmark and portfolio (0 – larger allocation, 1 – smaller allocation), while TotalScore at a particular value is a driver for the rebalance transaction (change in the Portfolio individual stocks allocation). The bar graph with TotalScore correlation coefficients demonstrates that the Total score carries or built on the fundamental parameters of the individual companies.

Missing values

There are missing values in the fundamental parameters. I deleted missing values to find the correlation coefficients. For the purpose of modeling either models that able to handle missing values can be used or imputation methods like k-NN can be applied. The subject matter expertise can be used for imputation missing values probably could be taken or forecasted from the previous periods for the same security.

Portfolio by Listing Country

Portfolio by GICS1

TotalScore Correlation w/
Fundamental ParametersPortfolio Change and Benchmark by
TotalScore, sizeInd = 0Portfolio Change and Benchmark by
TotalScore, sizeInd = 1

Top 5 changes in securities after rebalance (out of 470 buy/sell during rebalance)

Portfolio Change	ISIN	Price to Book	P/E	Forward P/E	Smart Forward P/E	EV/EBITDA	FCF_Yield	Dividend_Yield	ROE	EPS Growth 3Y	EPS Growth Current
-0.0029	IE00B8KQN827	2.901204398	27.68374656	22.85677638	25.87902662	15.68907367	3.252492374	2.90	10.11346494	-0.77	-30.55
-0.0023	US6937181088	3.07360486	18.32625801	20.48748492	25.94053081	11.02535145	1.181201198	1.47	16.96149844	-4.40	-51.08
0.0045	US2910111044	5.315137275	21.7455104	20.5267114	21.17652067	12.63102456	3.321612934	2.95	23.62233209	0.99	-11.36
0.0041	US88160R1014	38.01534247	1036.473664	157.2353311	229.9013257	110.9670118			4.726919866	416.13	4,251.77
-0.0031	US1667641005	1.214048485		161.6514972	489.0359486	8.740305764	5.659445745	6.06	-5.988028075	-0.60	-100.26