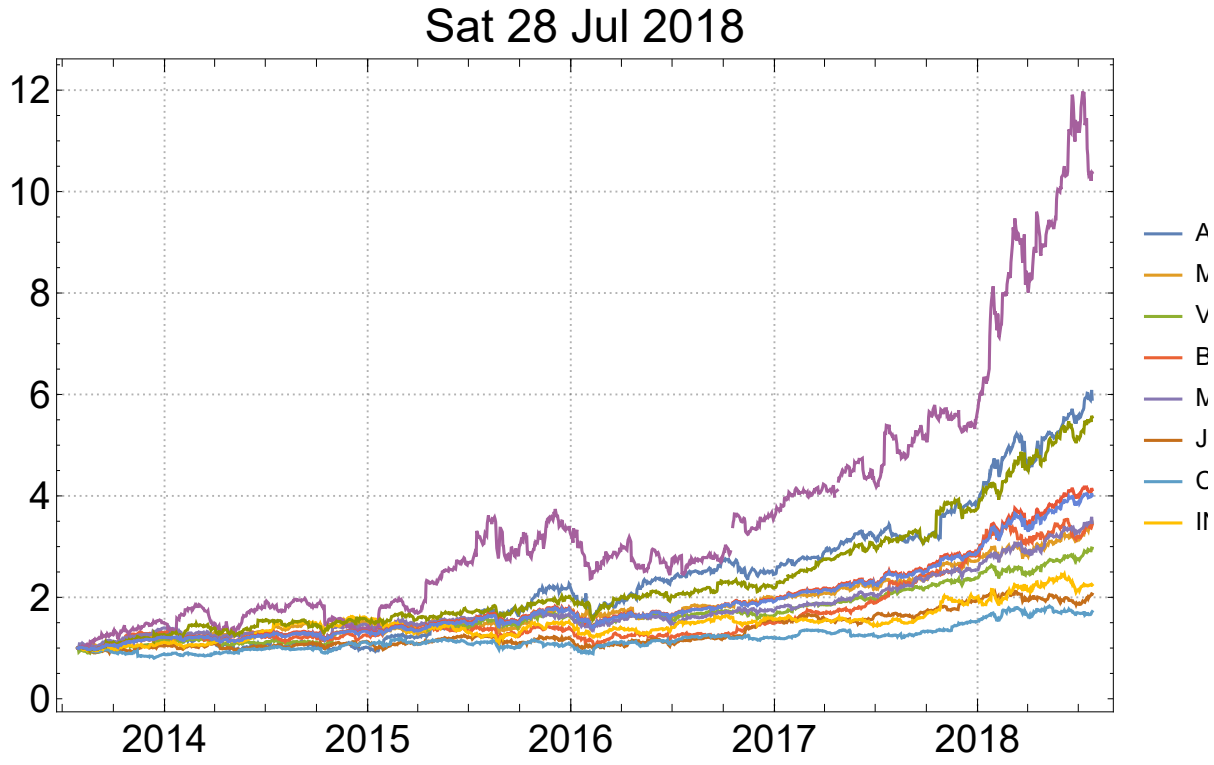
In[1]:=
```
NormalizeData[symbol_, start_, end_] := FinancialData[symbol, {start, end}] //
  Transpose@{#[[All, 1]], #[[All, 2]] / First@#[[All, 2]]} &
WeightedMean[data_, weightList_] := Total[weightList / Total@weightList * data]
RobustChart[symbols_, start_, end_, weightList_: Nothing] :=
 Module[{lists, allDates, associationLists,
   listsWithMissing, mean, weighted, data, table, ts, headings},
  lists = NormalizeData[#, start, end] & /@ symbols;
  allDates = Table[#1 &@@ i, {stock, lists}, {i, stock}] // Fold[Union, #] &;
  associationLists = Table[#1 -> #2 &@@ i, {stock, lists}, {i, stock}];
  listsWithMissing = Table[Module[{association},
     association = Association@a;
     Table[k -> association[k], {k, allDates}]], {a, associationLists}];
  mean = Normal@Merge[listsWithMissing, Mean];
  weighted = If[TrueQ[weightList == Nothing], Nothing,
    Normal@Merge[listsWithMissing, WeightedMean[#, weightList] &]];
  data = listsWithMissing ~Join~ {mean, weighted};
  table = Table[Select[Values@d, NumberQ] // {Last@#, StandardDeviation@#} & //
     {#1, #2, #1 / #2} &@@ # &, {d, data}];
  ts = Transpose@{Keys@#, Values@#} & /@ data;
  headings =
   symbols ~Join~ {"Mean", If[TrueQ[weightList == Nothing], Nothing, "Weighted Mean"]};
  TableForm@{DateListPlot[ts, PlotLegends → headings,
     PlotTheme → "Detailed", ImageSize → Large, BaseStyle → {FontSize → 20},
     PlotRange -> All, PlotLabel → DateString@end], TableForm[table,
     TableHeadings → {headings, {"Return", "Standard Deviation", "Return/SD"}}]}
 ]
```

In[4]:=
```
weights = {5.5, 5.42, 4.96, 4.77, 4.55, 4.38, 3.69, 3.49, 3.37, 2.99};
symbols = {"AMZN", "MSFT", "V", "BA", "MA", "JPM", "CSCO", "INTC", "NFLX", "ADBE"};
symbols2 = {"AMZN", "MSFT", "V", "MA", "NFLX", "ADBE"};
start = DatePlus[Today, -Quantity[5, "Years"]];
end = Today;
```

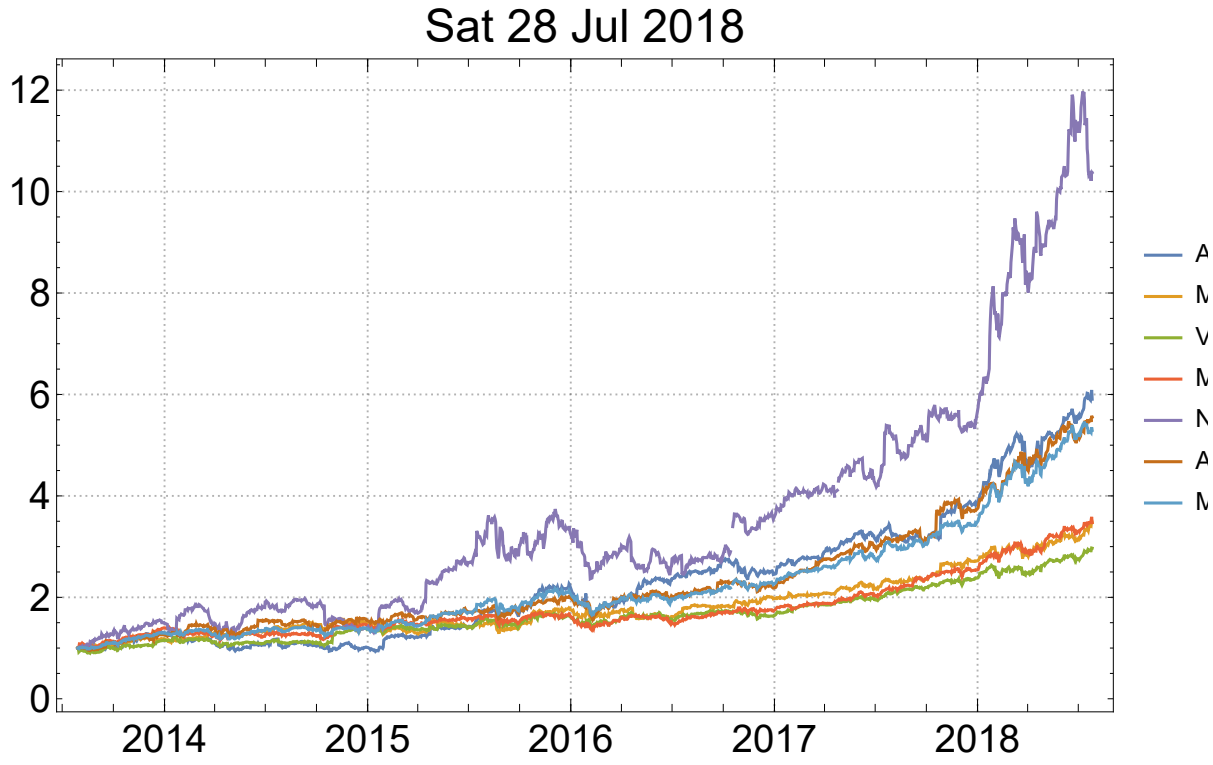
In[9]:=
```
RobustChart[symbols, start, end, weights]
RobustChart[symbols2, start, end]
```

Out[9]//TableForm=



	Return	Standard Deviation	Return/SD
AMZN	5.90657	1.27972	4.61552
MSFT	3.47559	0.587792	5.91295
V	2.96921	0.497378	5.96973
BA	3.4283	0.683877	5.01303
MA	3.47342	0.575742	6.03295
JPM	2.06231	0.343349	6.00645
CSCO	1.71852	0.238078	7.21829
INTC	2.24441	0.325475	6.89578
NFLX	10.3757	2.37844	4.3624
ADBE	5.55289	1.1123	4.99226
Mean	4.12069	0.787244	5.23432
Weighted Mean	4.0117	0.760756	5.27331

Out[10]//TableForm=

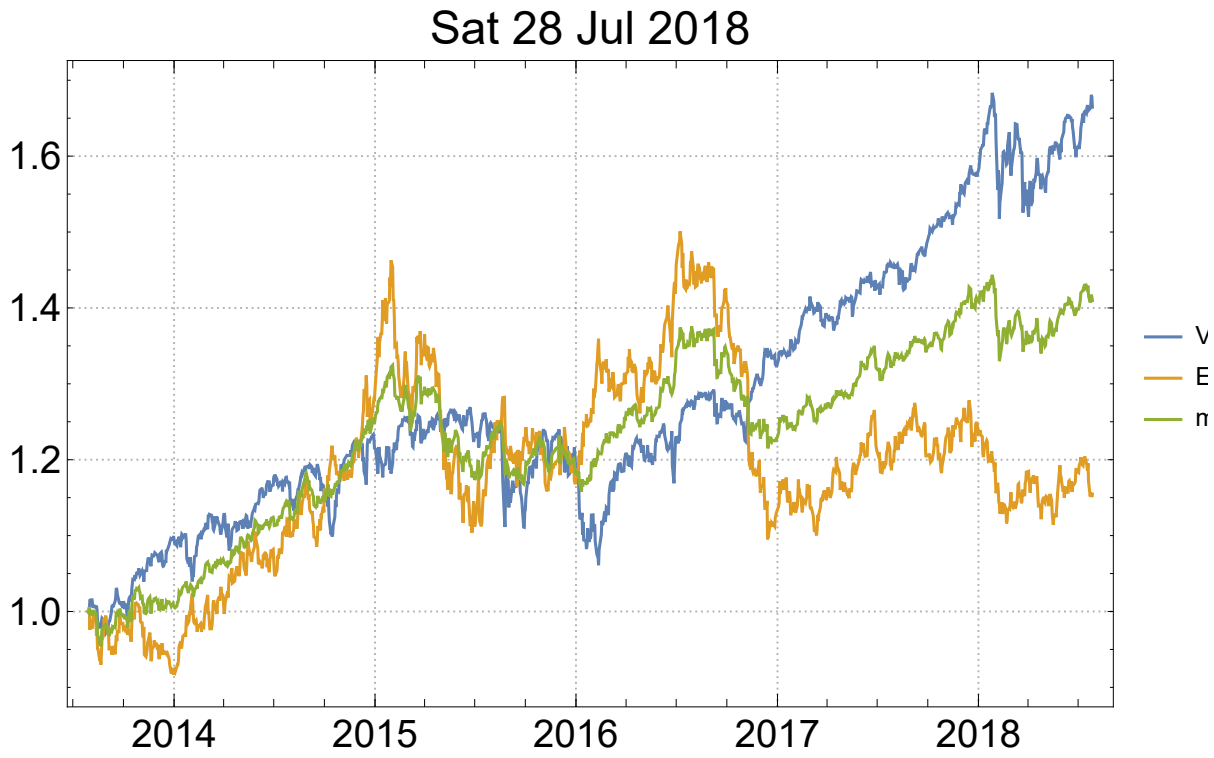


	Return	Standard Deviation	Return/SD
AMZN	5.90657	1.27972	4.61552
MSFT	3.47559	0.587792	5.91295
V	2.96921	0.497378	5.96973
MA	3.47342	0.575742	6.03295
NFLX	10.3757	2.37844	4.3624
ADBE	5.55289	1.1123	4.99226
Mean	5.29223	1.06112	4.98742

In[11]:=
```
PortfolioChart[stocks_, start_, end_] := Module[{s, mean, data, symbols, std, return},
  s = NormalizeData[#, start, end] & /@ stocks;
  mean = Transpose@{s[[1]][[All, 1]], Mean /@ Transpose@(#[[All, 2]] & /@ s)};
  data = s ~ Join ~ {mean};
  symbols = stocks ~ Join ~ {"mean"};
  std = StandardDeviation@mean[[All, 2]];
  return = Last@mean[[All, 2]];
  TableForm@{DateListPlot[data, PlotLegends → symbols,
     PlotTheme → "Detailed", ImageSize → Large, BaseStyle → {FontSize → 20},
     PlotRange -> All, PlotLabel → DateString@end], {return, std, return / std} //
     TableForm[#, TableHeadings → {{"Return", "SD", "Return/SD"}, Automatic}] &}
 ]
```

In[12]:=
```
PortfolioChart[{"VTI", "EDV"}, start, end]
```

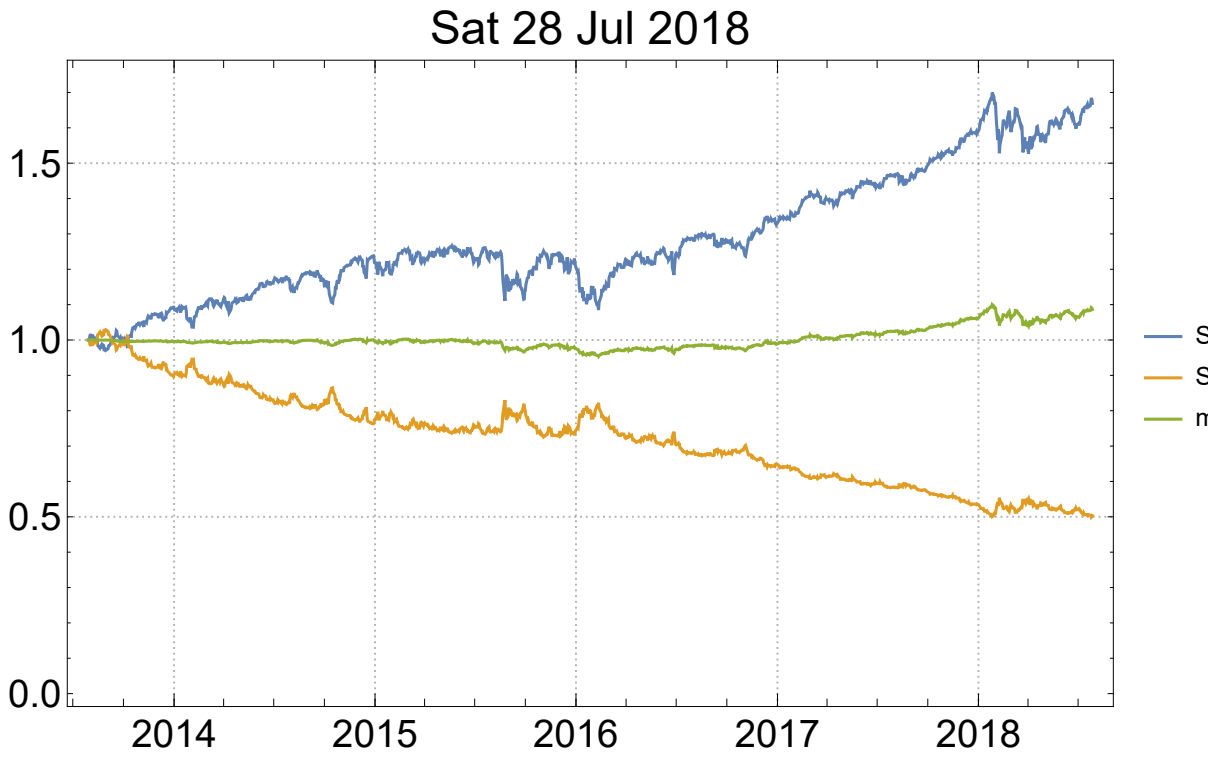
Out[12]//TableForm=



Return	1.40959
SD	0.119416
Return/SD	11.804

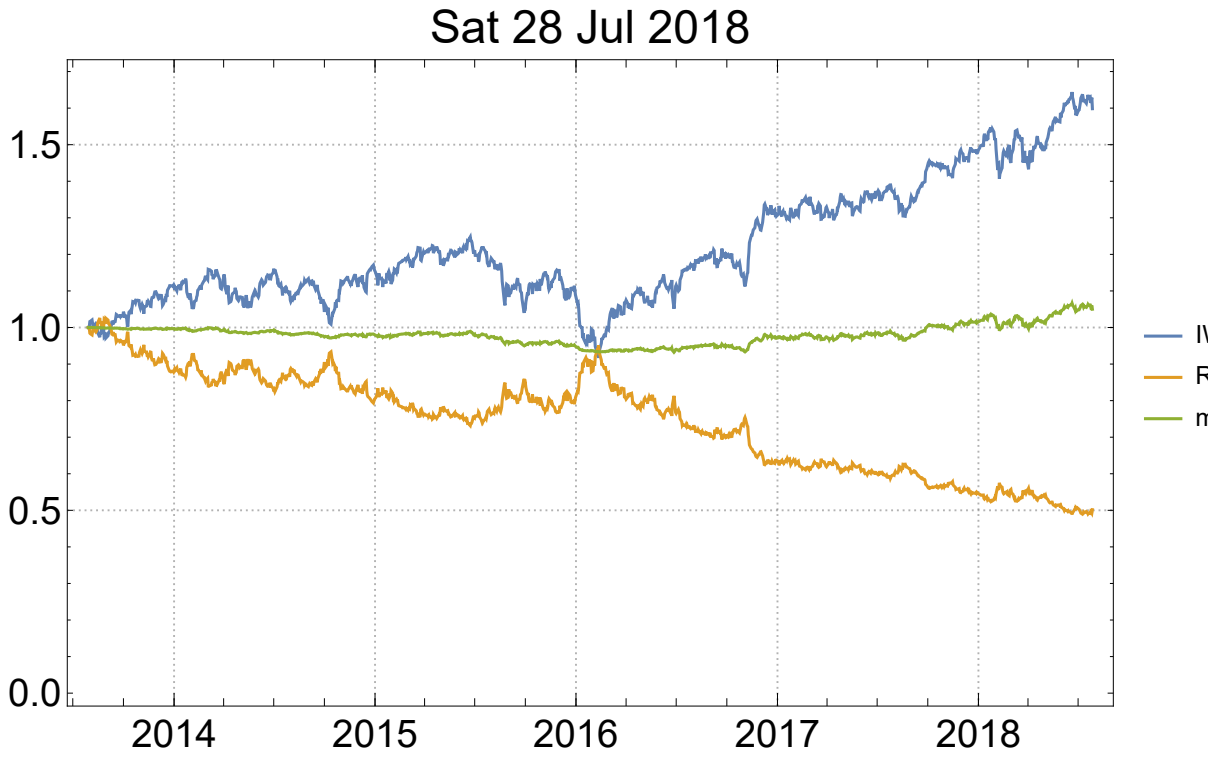
In[13]:=
```
PortfolioChart[{"SPY", "SH"}, start, end]
PortfolioChart[{"IWM", "RWM"}, start, end]
```

Out[13]//TableForm=



Return	1.08623
SD	0.0297337
Return/SD	36.5319

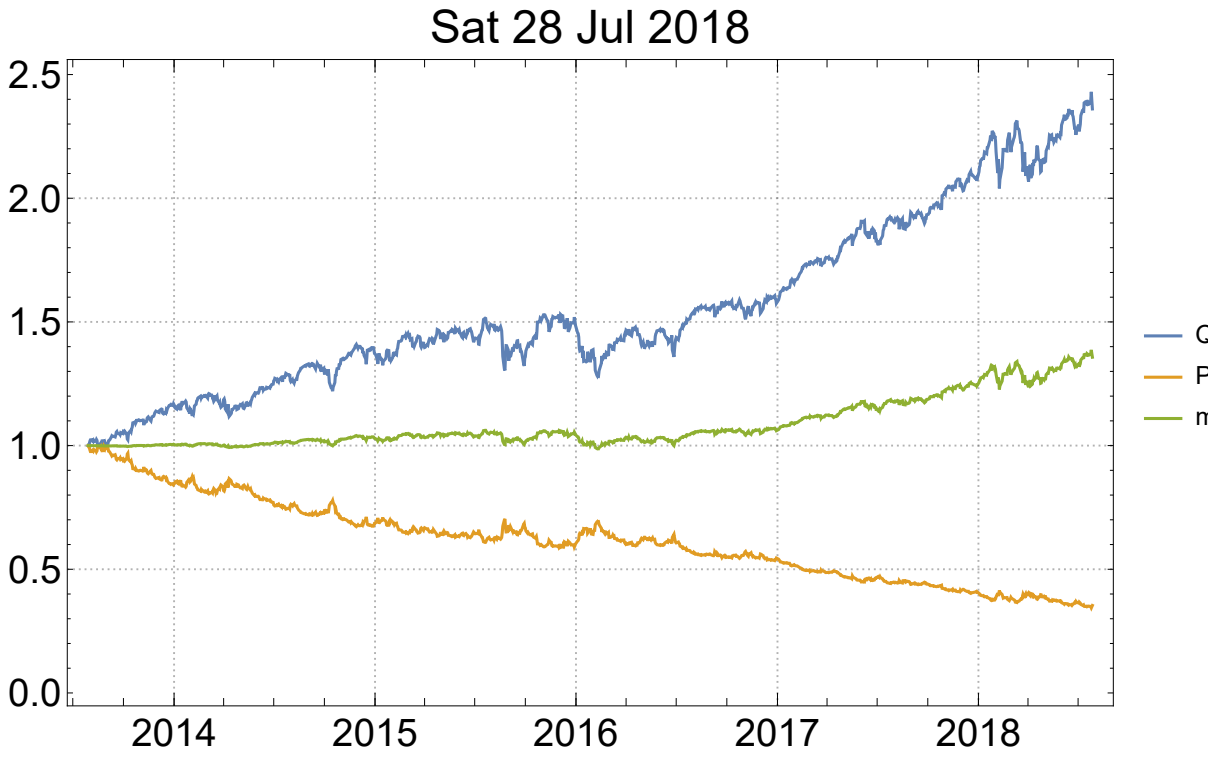
Out[14]//TableForm=



Return	1.05005
SD	0.0269165
Return/SD	39.0115

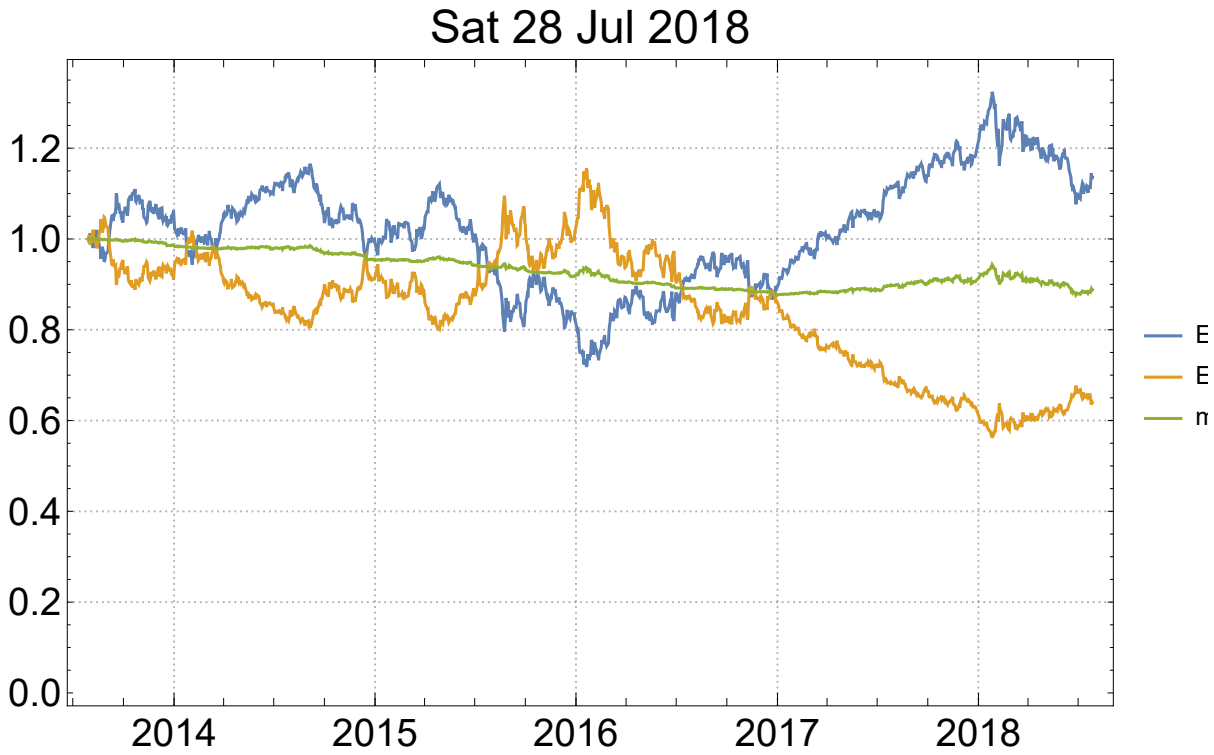
In[15]:=
```
PortfolioChart[{"QQQ", "PSQ"}, start, end]
PortfolioChart[{"EEM", "EUM"}, start, end]
PortfolioChart[{"EFA", "EFZ"}, start, end]
```

Out[15]//TableForm=



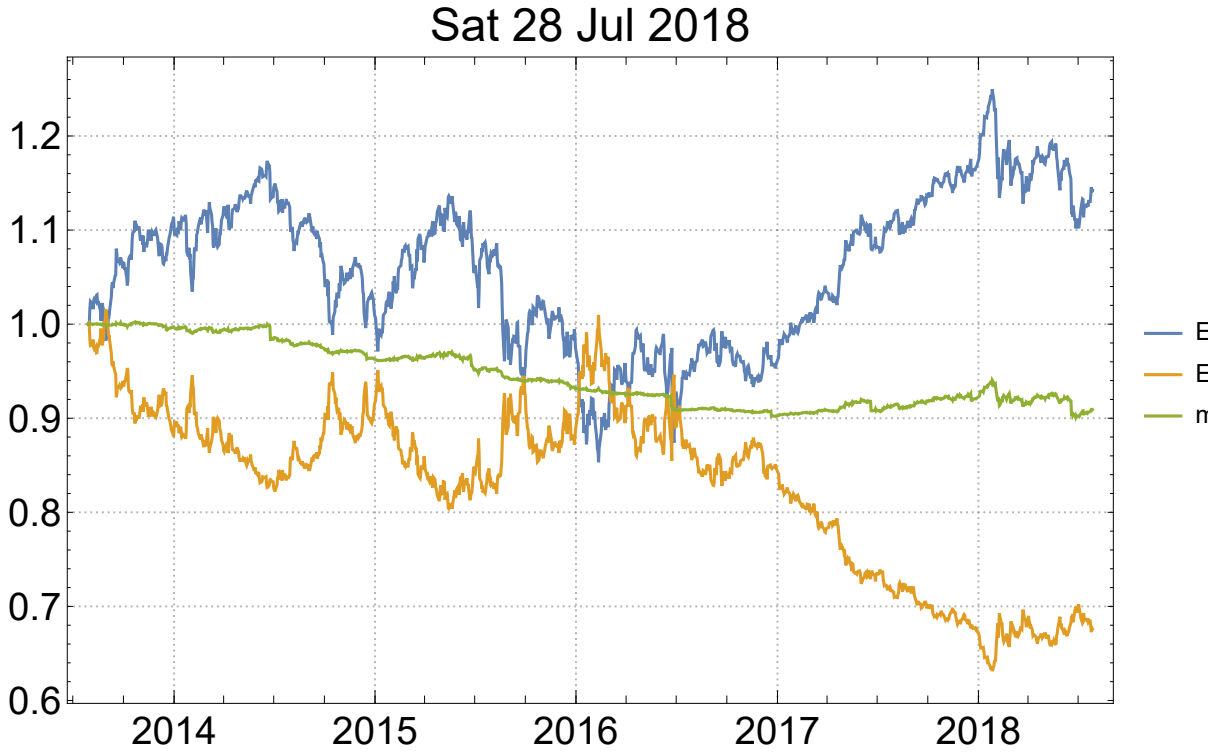
Return	1.35735
SD	0.100294
Return/SD	13.5336

Out[16]//TableForm=



Return	0.888086
SD	0.0384401
Return/SD	23.1031

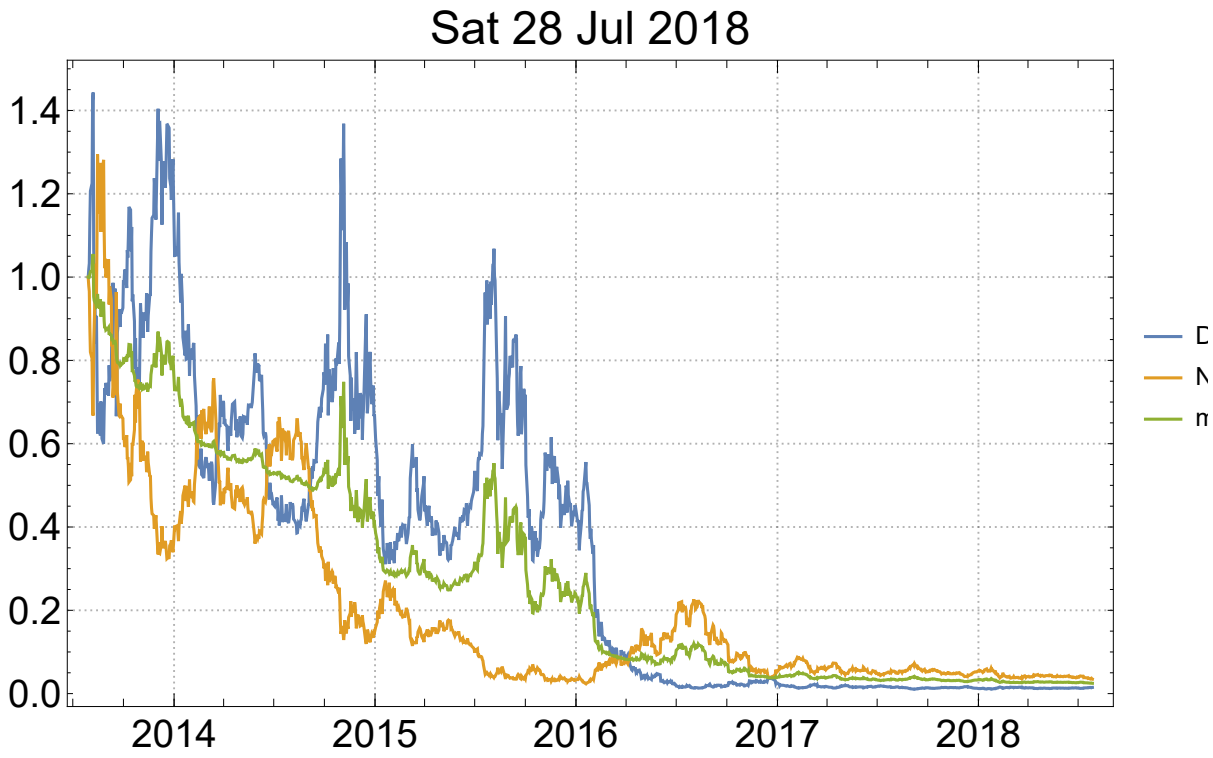
Out[17]//TableForm=



Return	0.909123
SD	0.0331784
Return/SD	27.4011

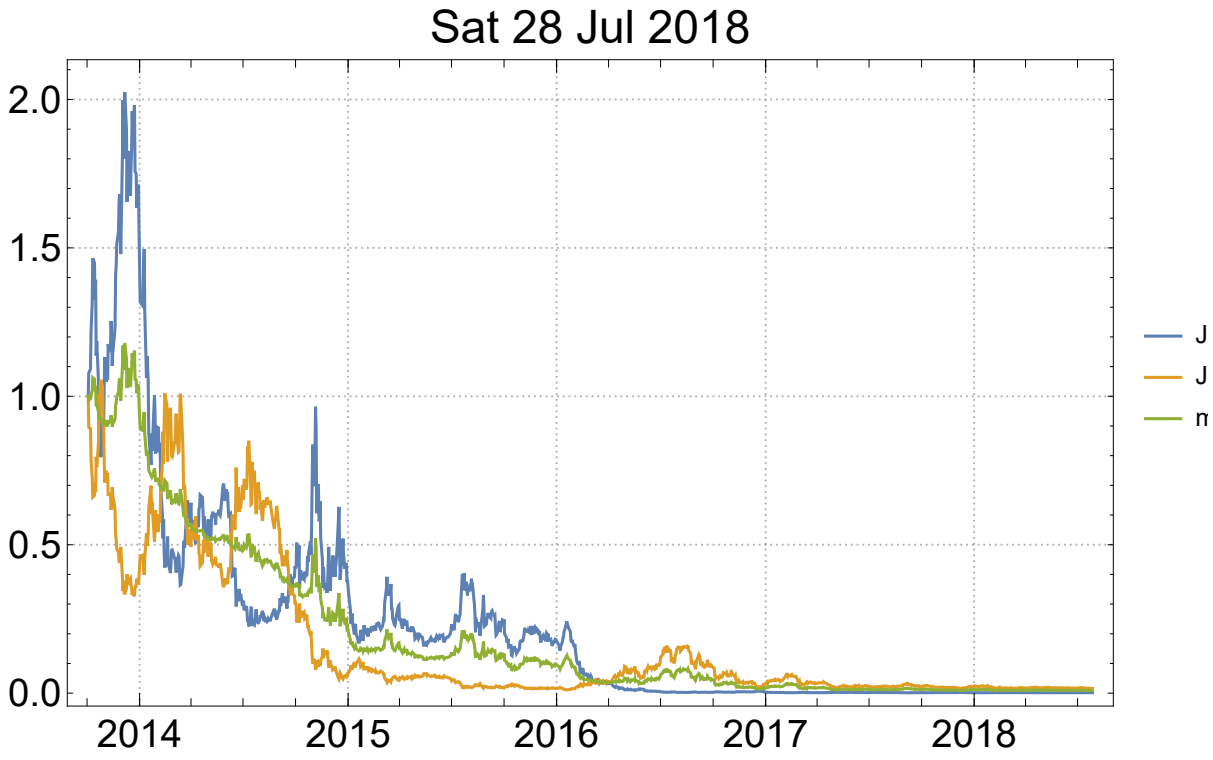
In[18]:=
```
PortfolioChart[{"DUST", "NUGT"}, start, end]
PortfolioChart[{"JDST", "JNUG"}, start, end]
```

Out[18]//TableForm=



Return	0.0247696
SD	0.264988
Return/SD	0.0934745

Out[19]//TableForm=



Return	0.00874565
SD	0.270416
Return/SD	0.0323415