Real value of different portfolios to reach $1m in 2020
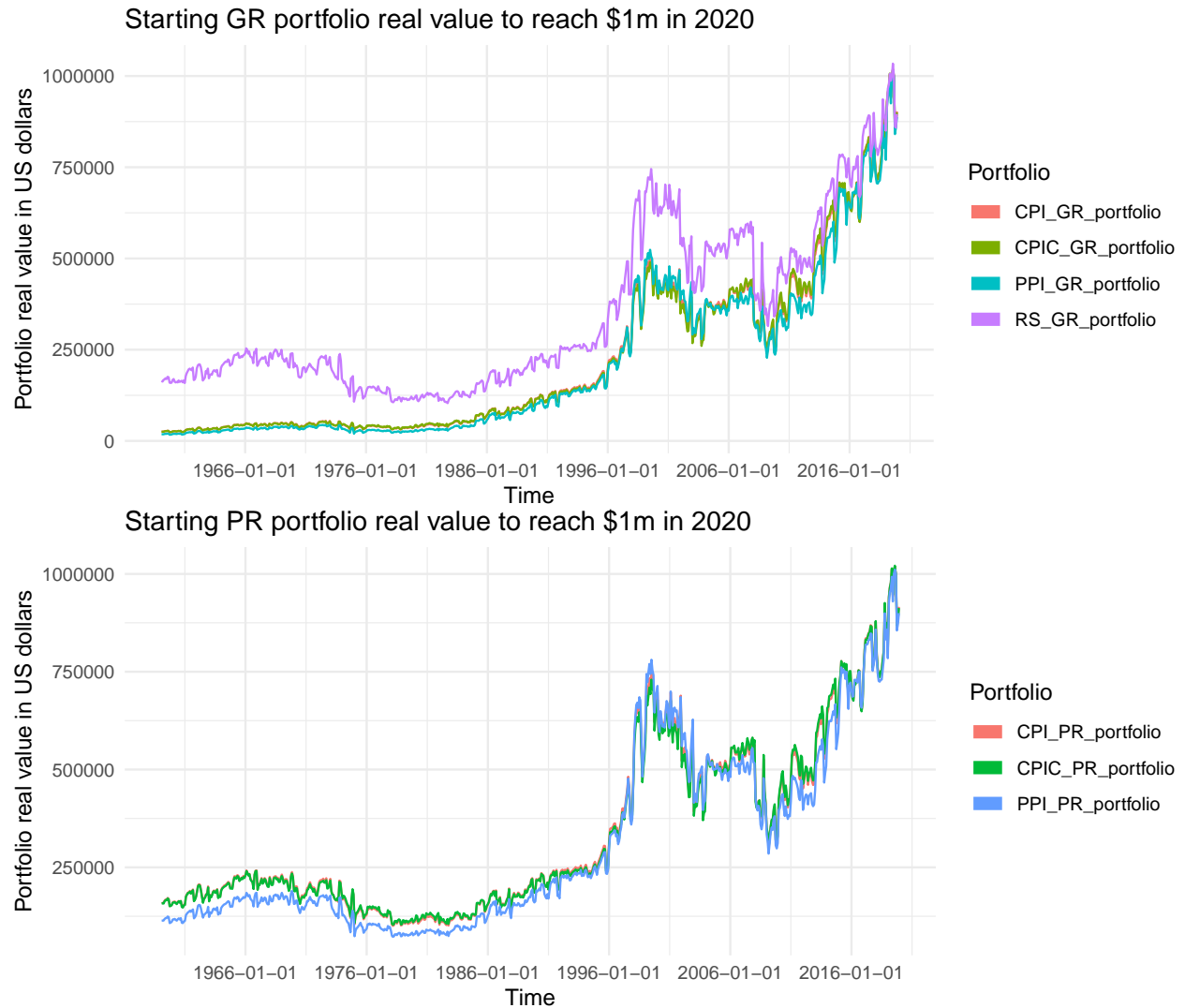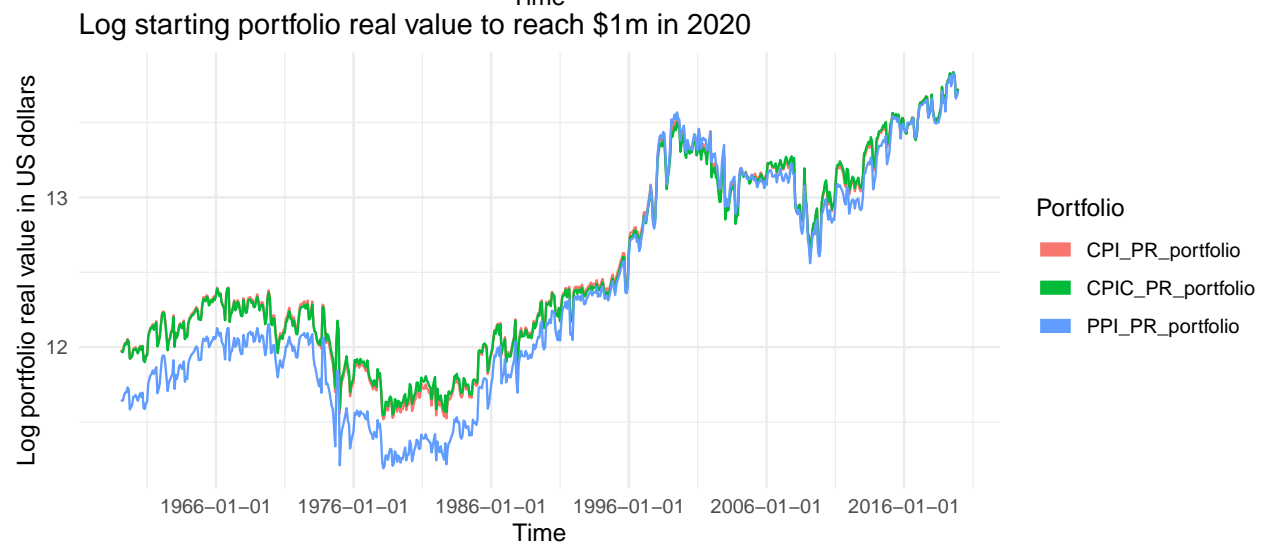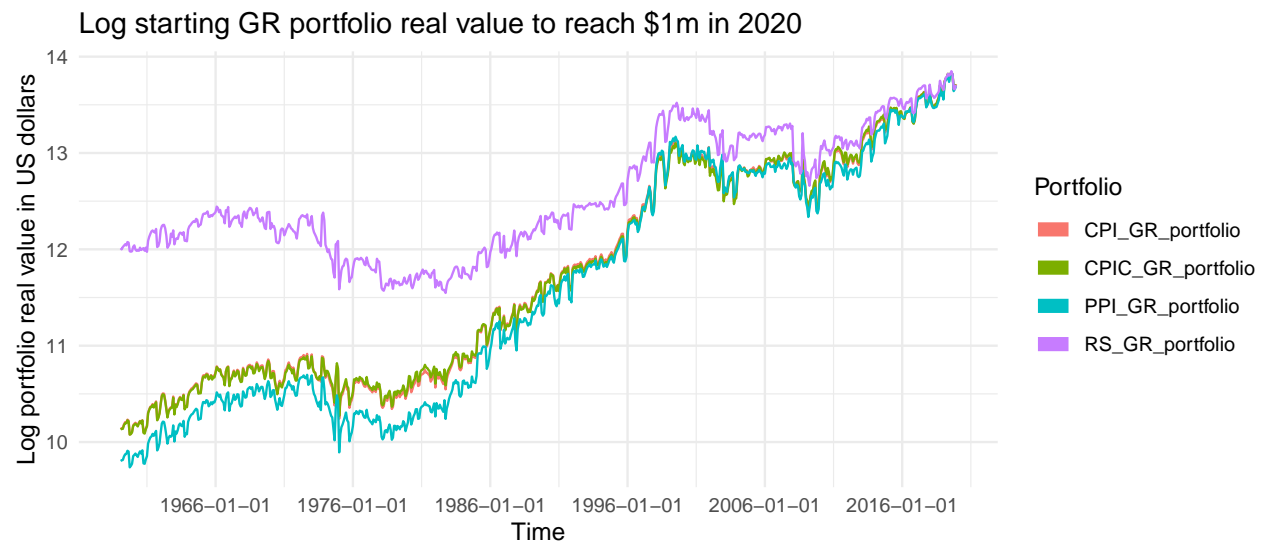
Inflation measures: CPI, CPIC, PPI, PCE

Return types: GR(gross return), PR(price return)

Starting GR portfolio real value to reach $1m in 2020

Starting PR portfolio real value to reach $1m in 2020

Log starting GR portfolio real value to reach $1m in 2020

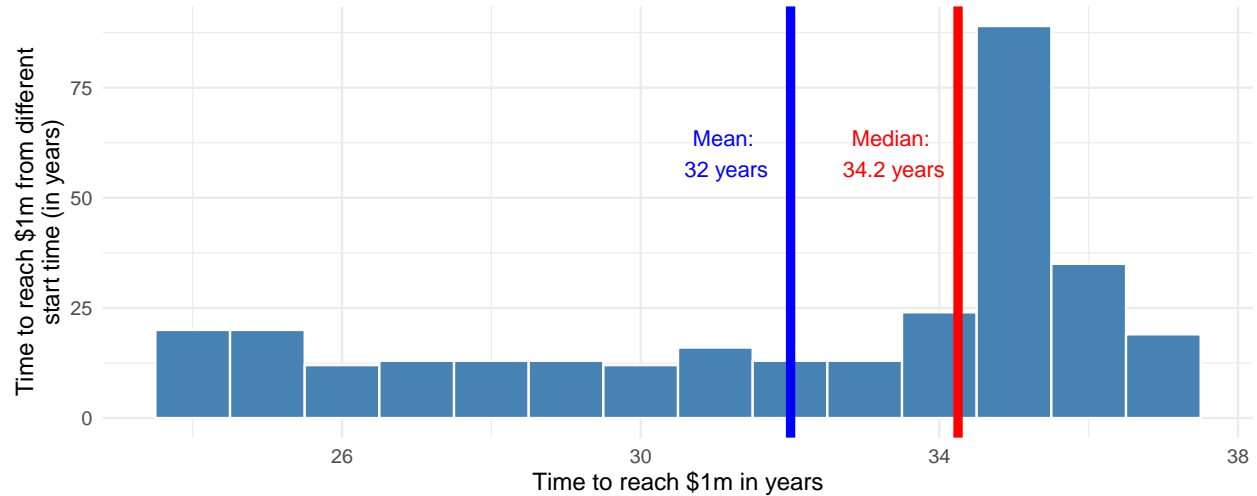## Log starting portfolio real value to reach $1m in 2020
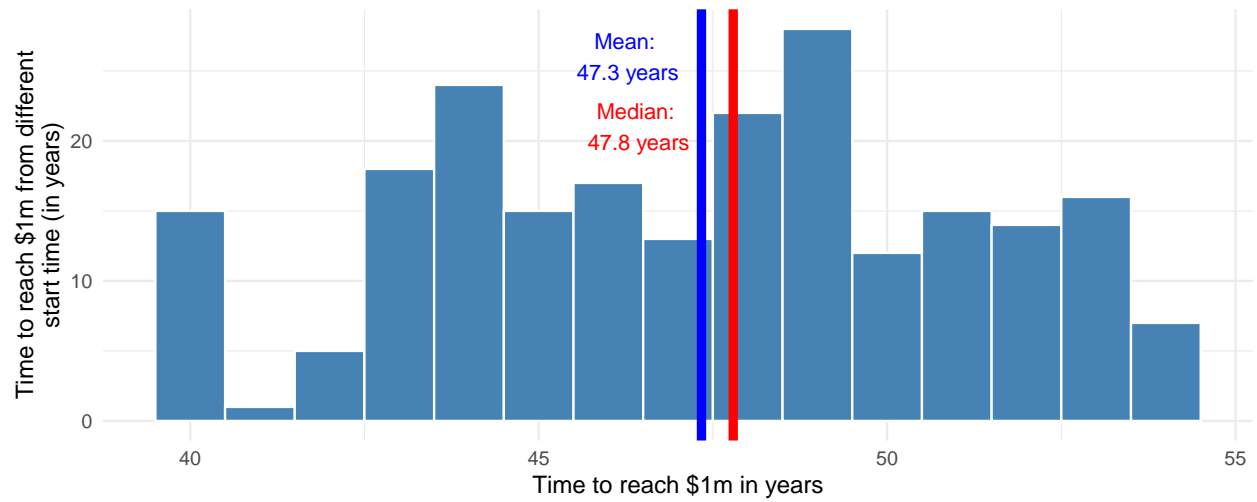

Contribute $500 each month

Distribution of time taken from $0 to $1m for different portfolio x deflation method combinations

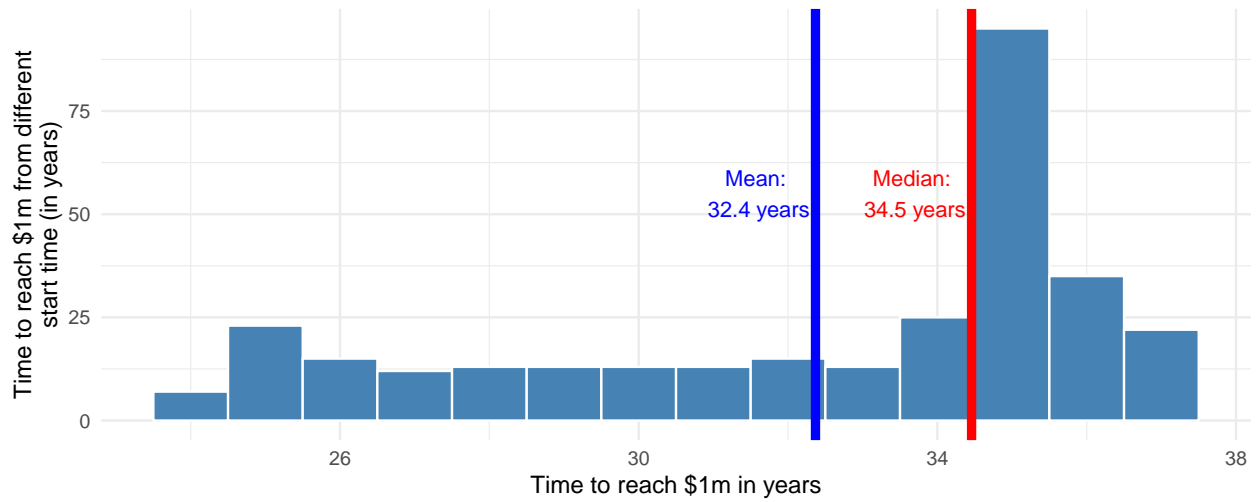Red vertical lines in histograms represents the mean time for a portfolio to reach $1m

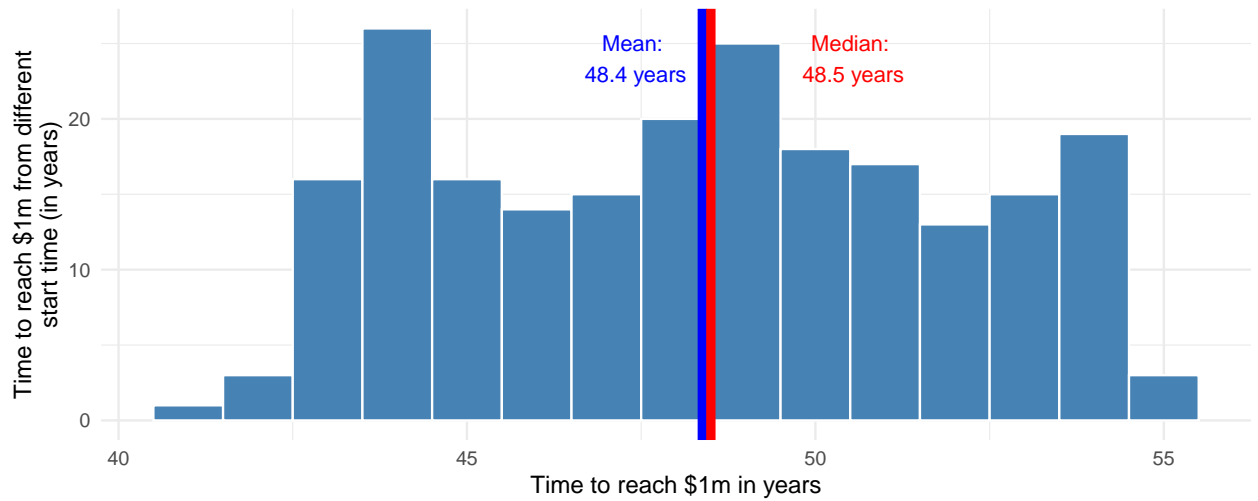## Distribution of time to reach $1m (in years) for CPI_GR

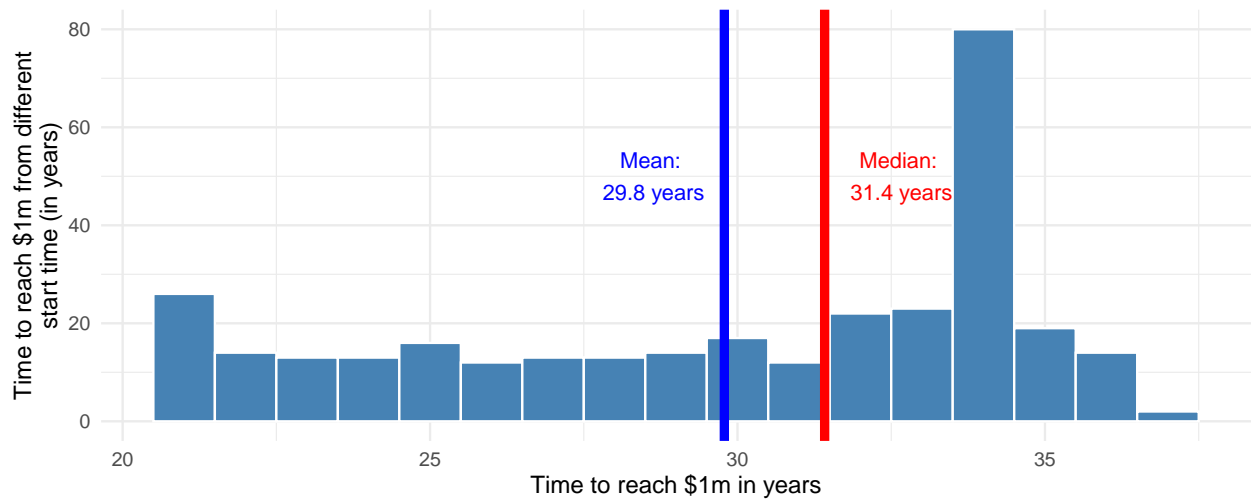## Distribution of time to reach $1m (in years) for CPI_PR
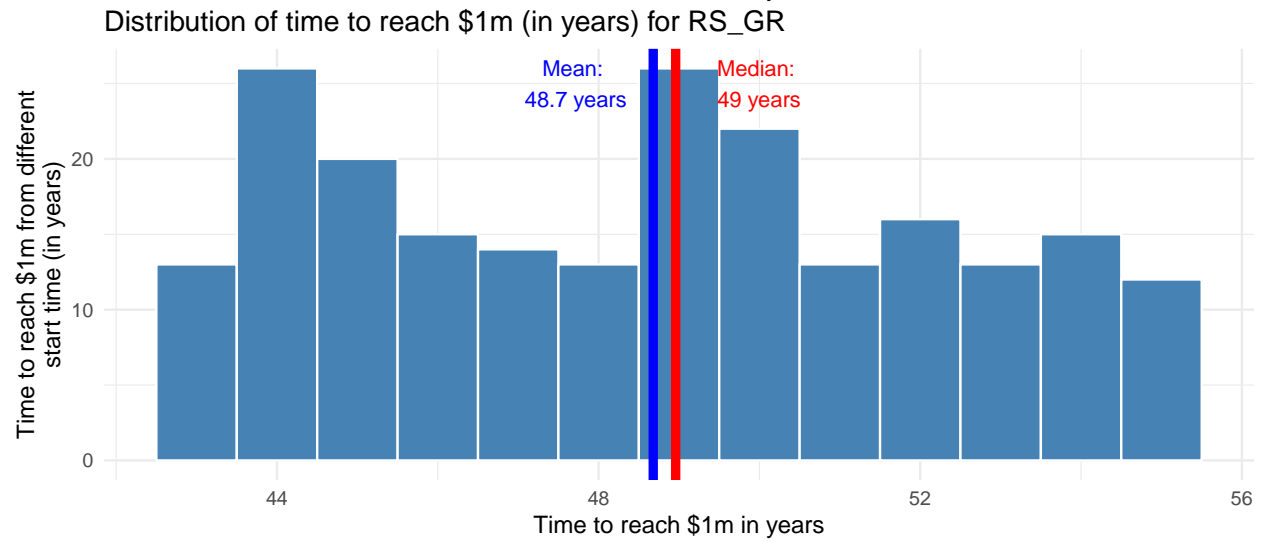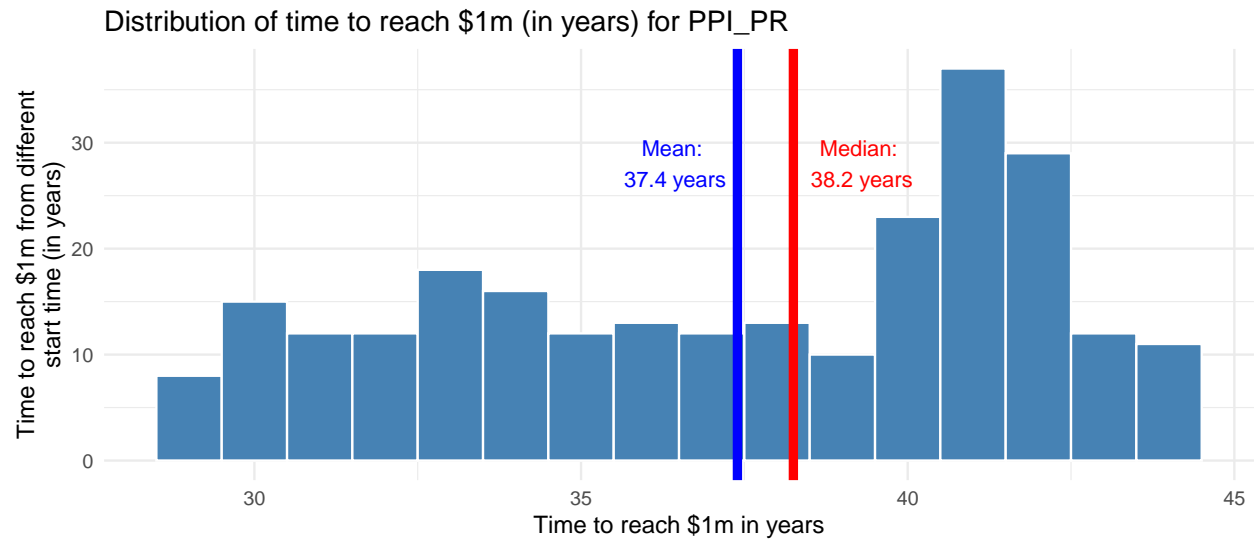
Distribution of time to reach $1m (in years) for CPIC_GR

Distribution of time to reach $1m (in years) for CPIC_PR

Distribution of time to reach $1m (in years) for PPI_GR
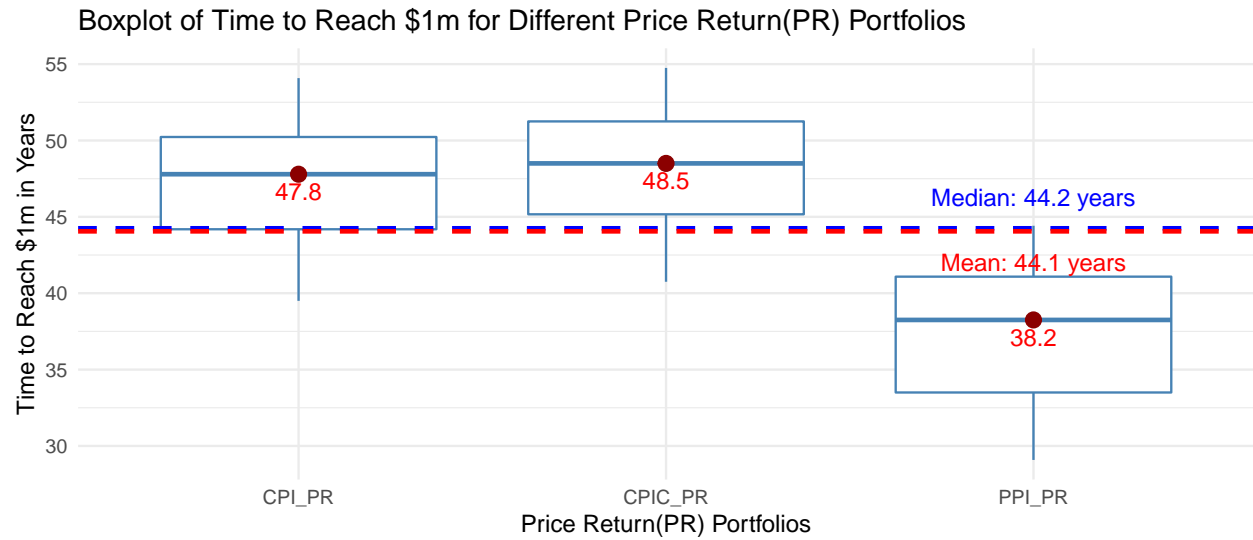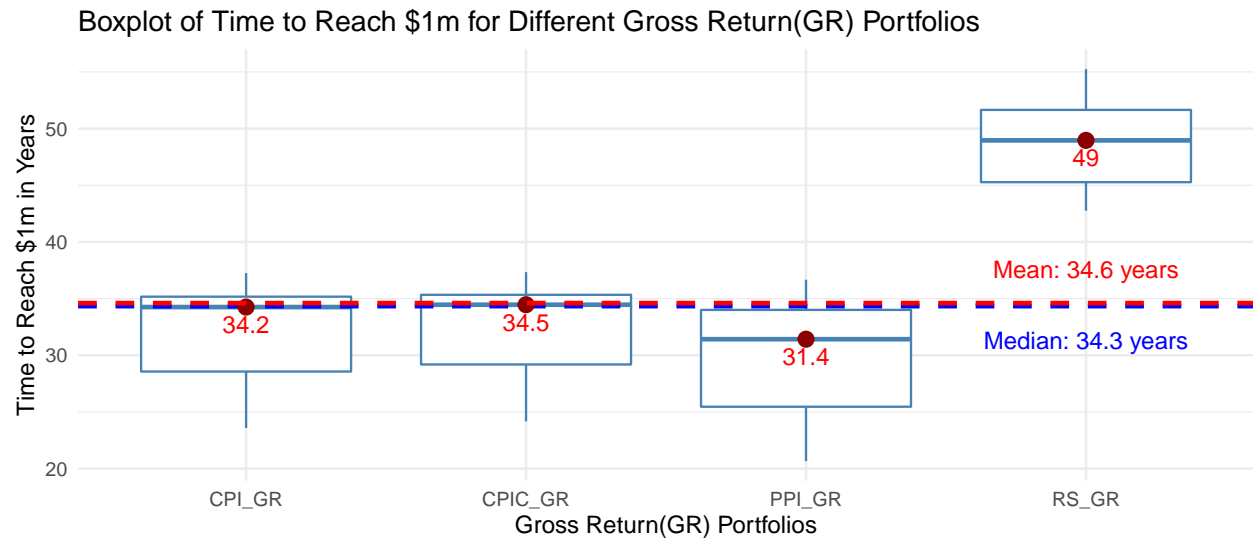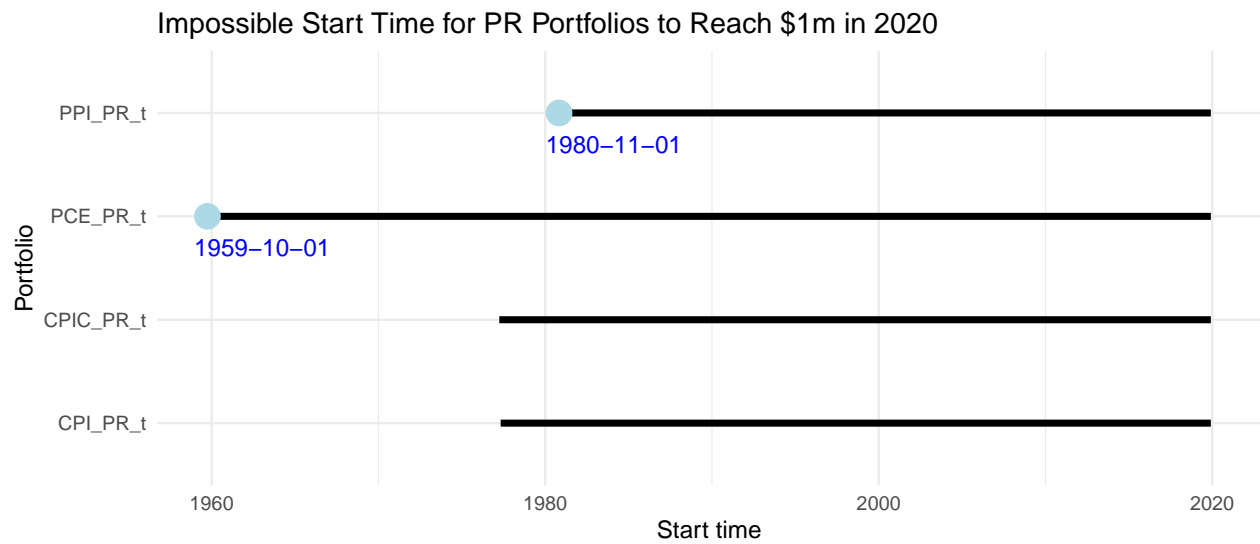
Distribution of time to reach $1m (in years) for PPI_PR

Mean:
37.4 years

Median:
38.2 years

Distribution of time to reach $1m (in years) for RS_GR

Mean:
48.7 years

Median:
49 years

PCE_PR portfolio never reaches \$1m from any starting time since 1959 Feb.

Boxplot of Time to Reach \$1m for Different Gross Return(GR) Portfolios

Boxplot of Time to Reach \$1m for Different Price Return(PR) Portfolios

Impossible Start Time for GR Portfolios to Reach $1m in 2020

Impossible Start Time for PR Portfolios to Reach $1m in 2020

Contribute based on historical contribution limit

Distribution of time taken from $0 to $1m for different portfolio x deflation method combinations

Red vertical lines in histograms represents the mean time for a portfolio to reach $1m

Distribution of time to reach $1m in years for CPI_GR

Mean:
31.6 years

Median:
35.5 years

Distribution of time to reach $1m in years for CPI_PR

Mean:
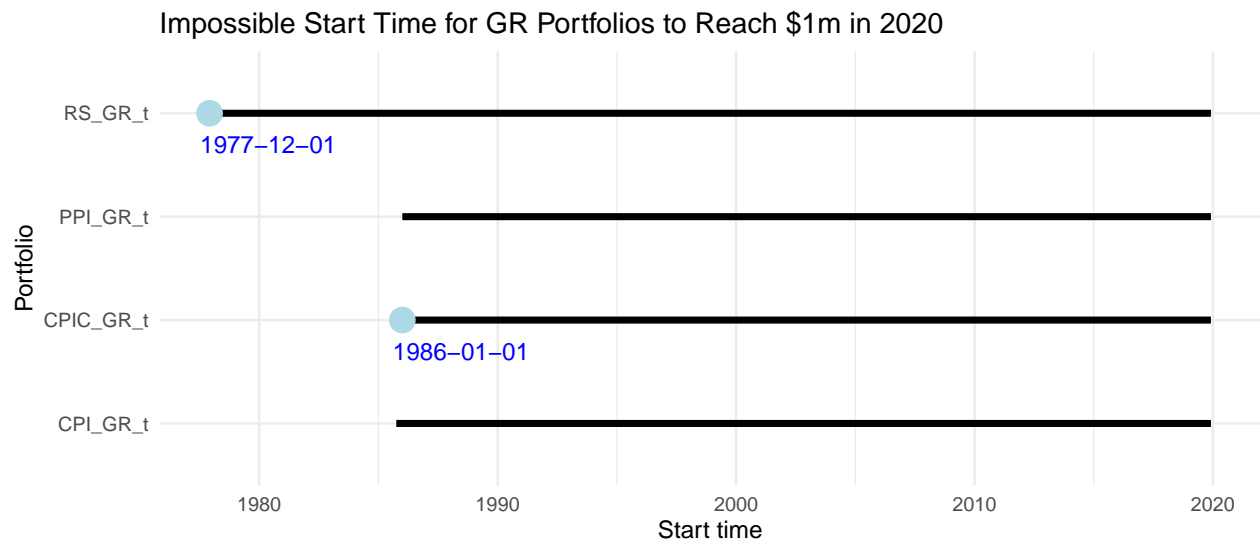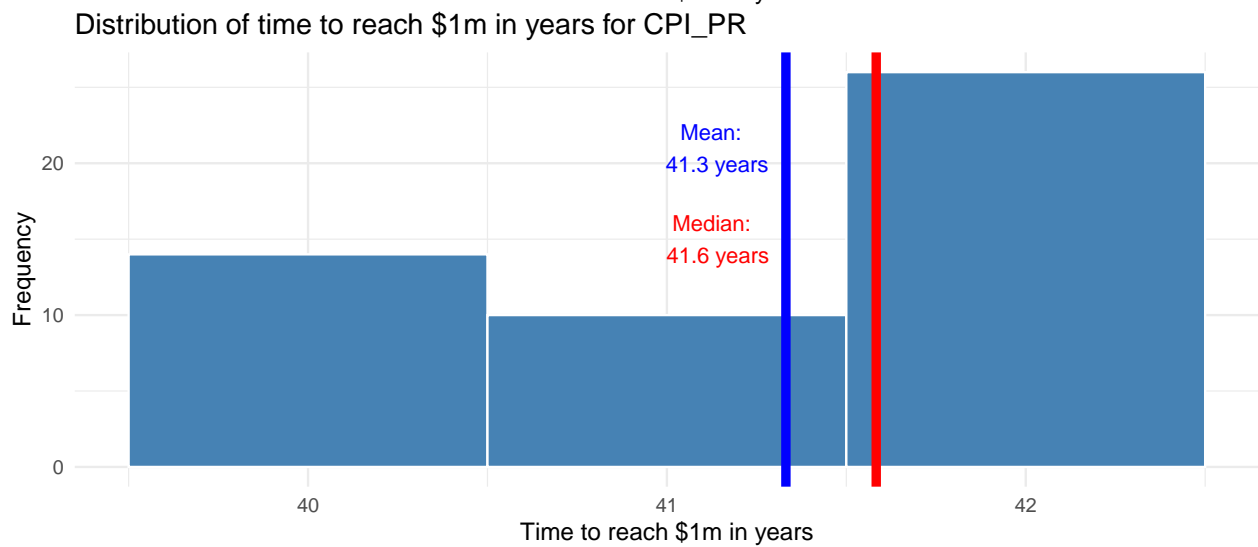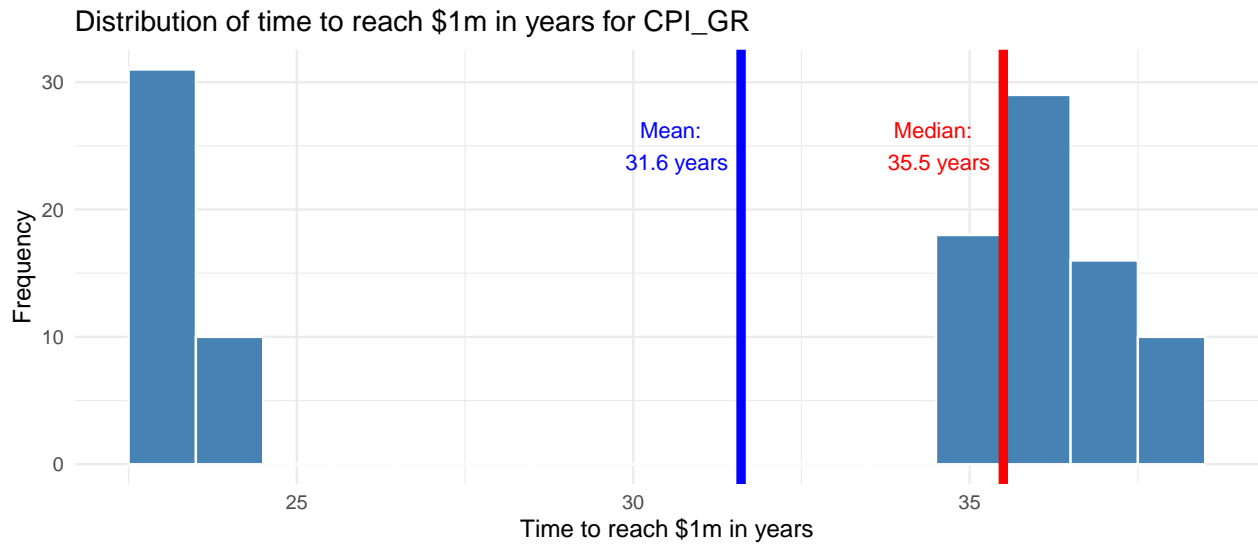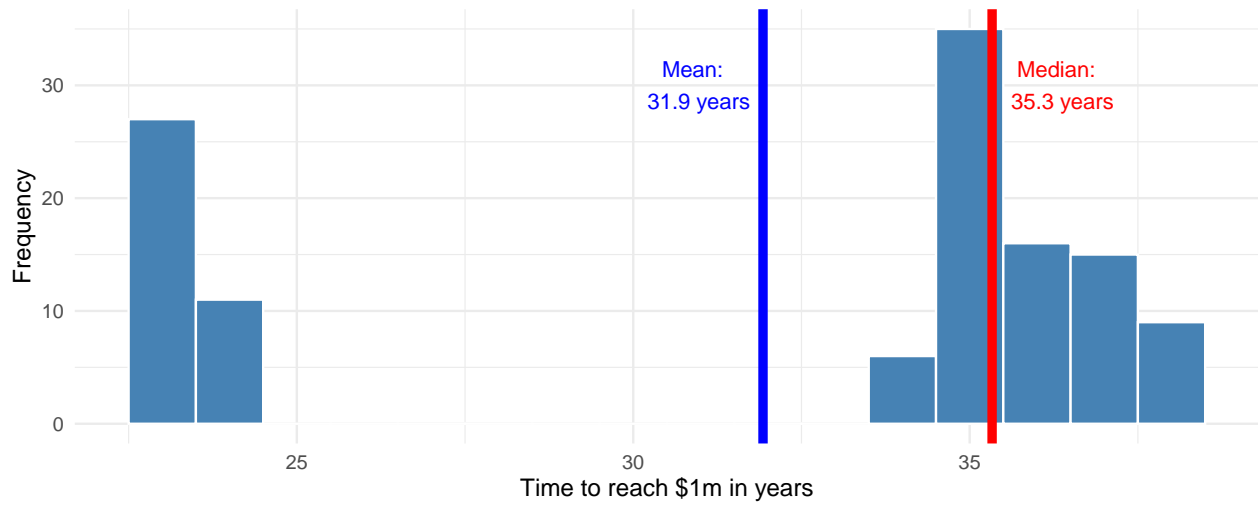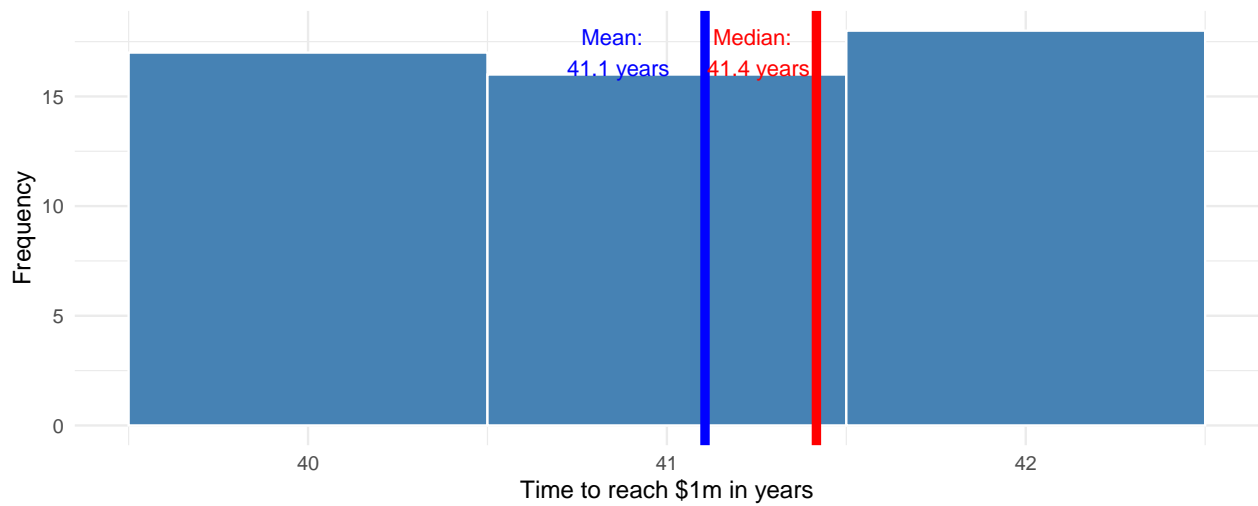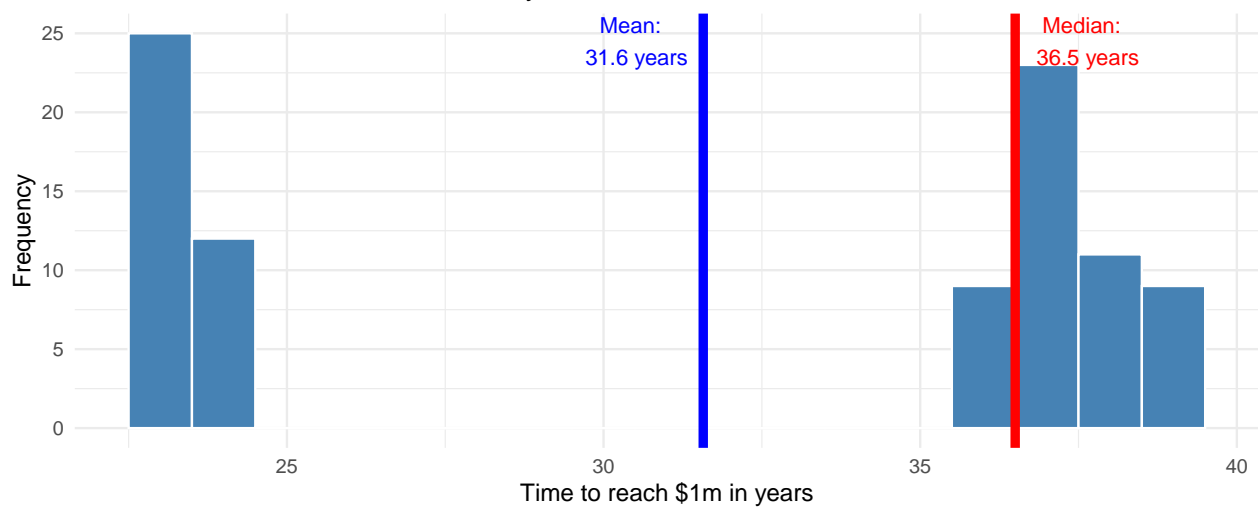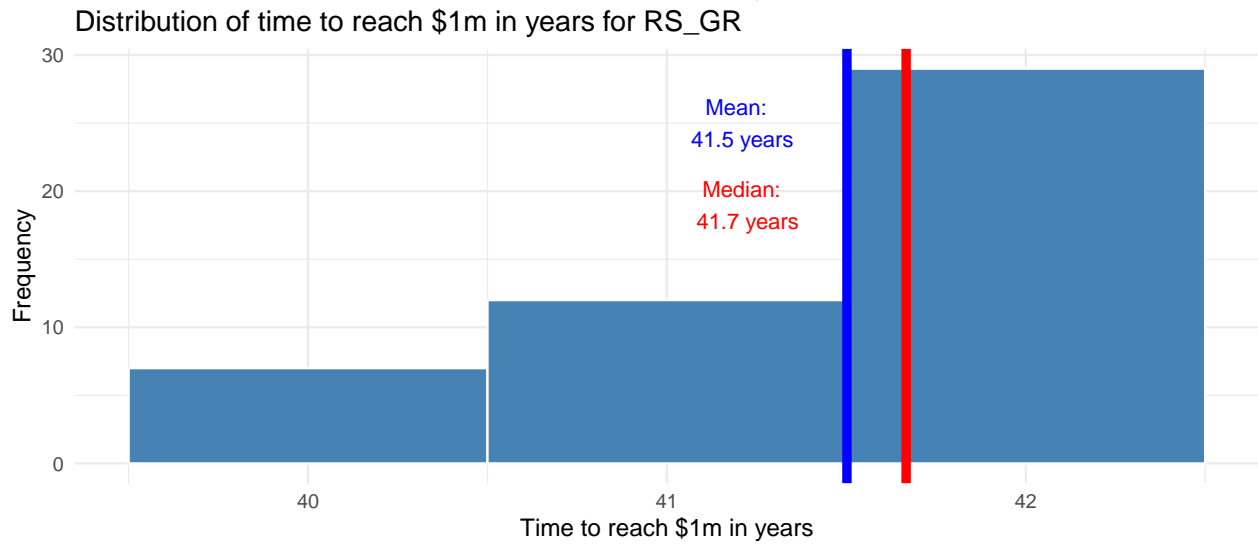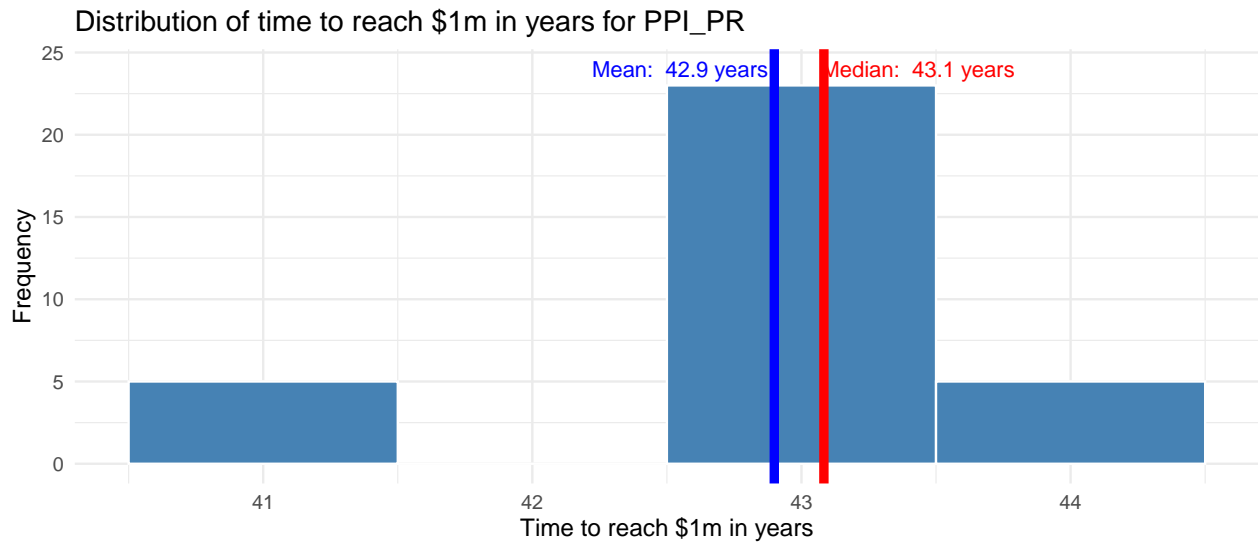41.3 years

Median:
41.6 years

Distribution of time to reach $1m in years for CPIC_GR

Mean: 31.9 years
Median: 35.3 years

Distribution of time to reach $1m in years for CPIC_PR

Mean: 41.1 years
Median: 41.4 years

Distribution of time to reach $1m in years for PPI_GR

Mean: 31.6 years
Median: 36.5 years

Distribution of time to reach $1m in years for PPI_PR

Mean: 42.9 years   Median: 43.1 years

Distribution of time to reach $1m in years for RS_GR

Mean:
41.5 years
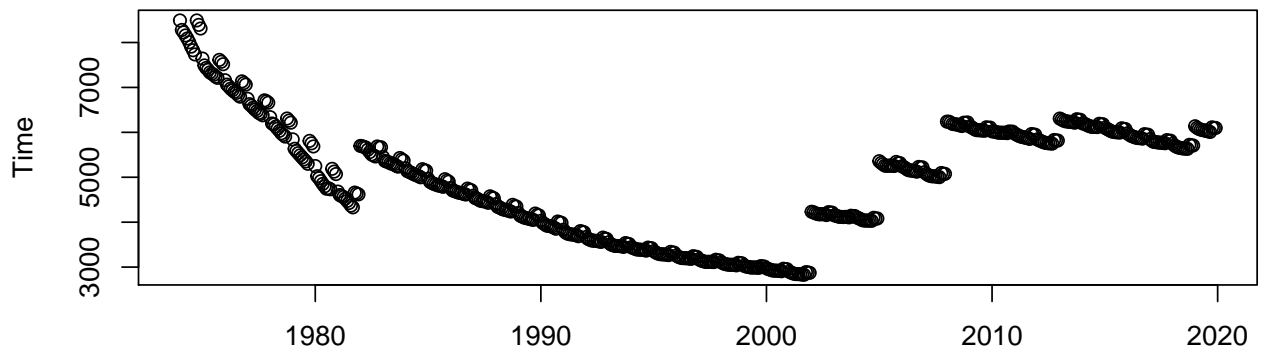
Median:
41.7 years

Inflation-adjusted Yearly Contribution Limit Changes

CPI/RS−adjusted Yearly Contribution Limit

Time

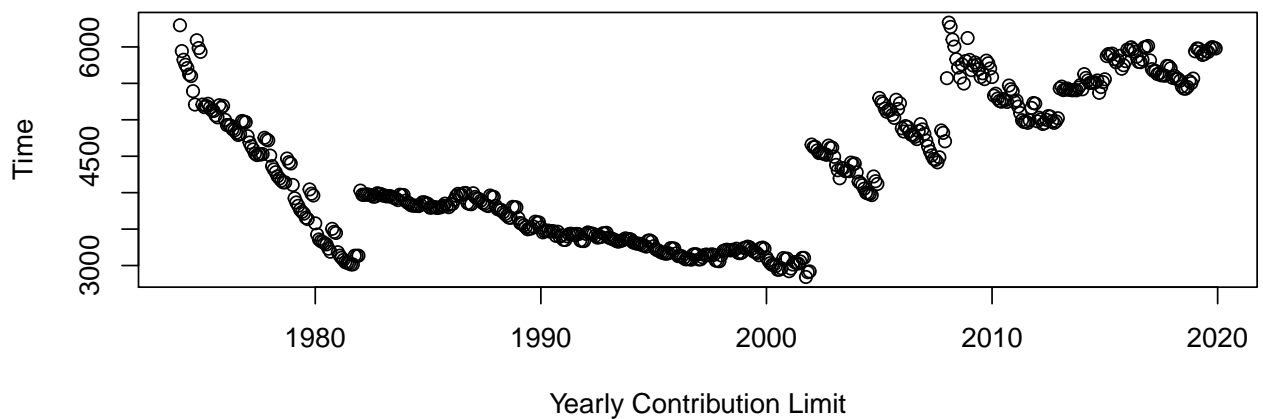Yearly Contribution Limit

CPIC−adjusted Yearly Contribution Limit
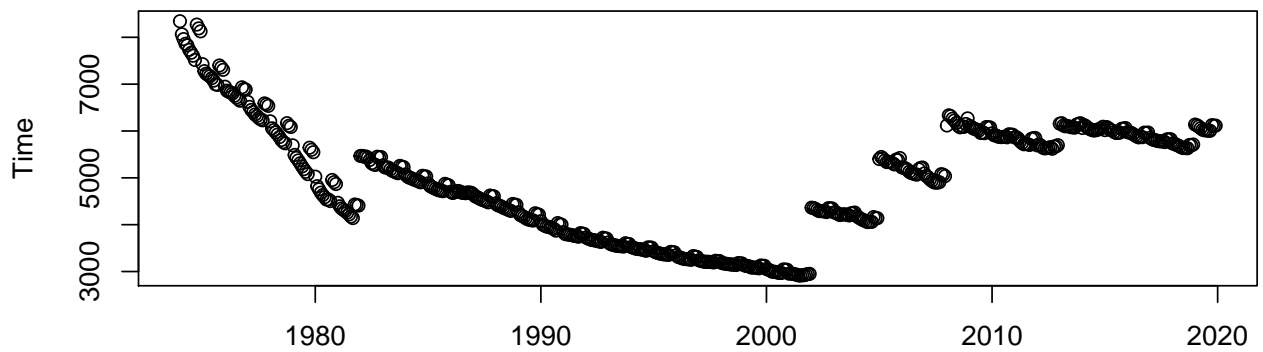
Time

Yearly Contribution Limit

PPI−adjusted Yearly Contribution Limit

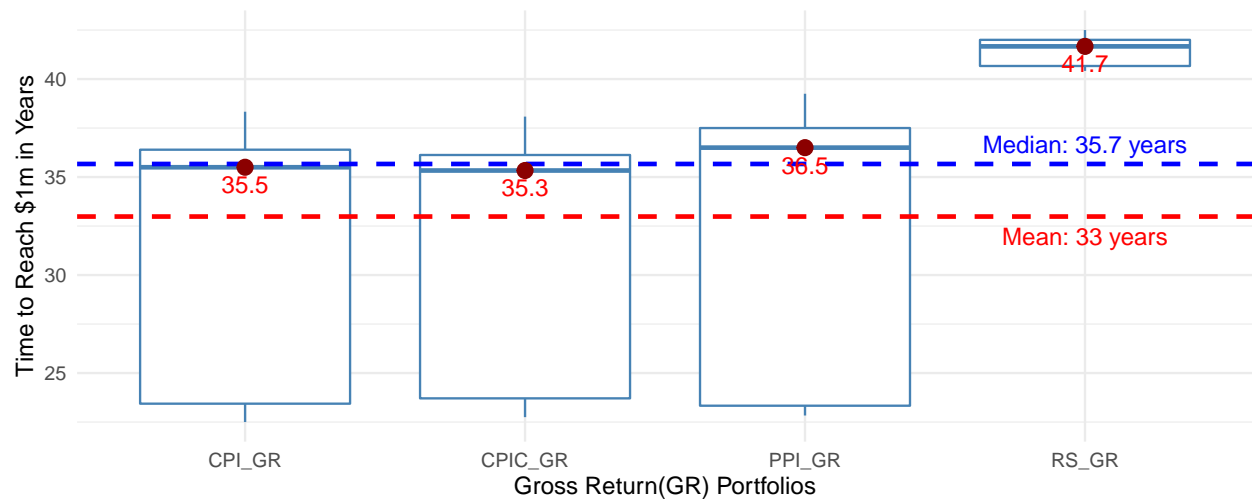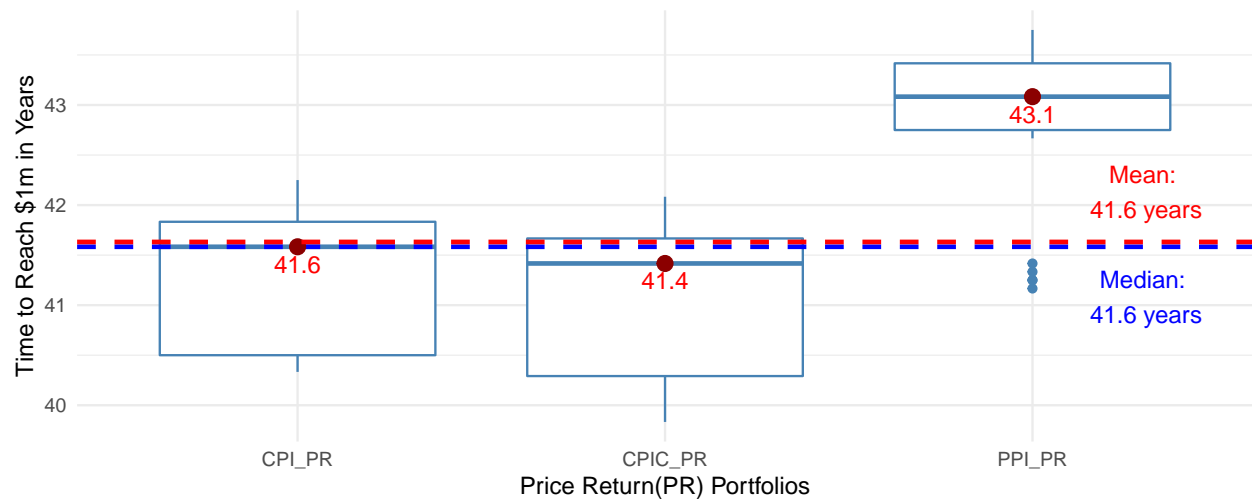Time

Yearly Contribution Limit

PCE_PR portfolio never reaches \$1m from any starting time since 1959 Feb.
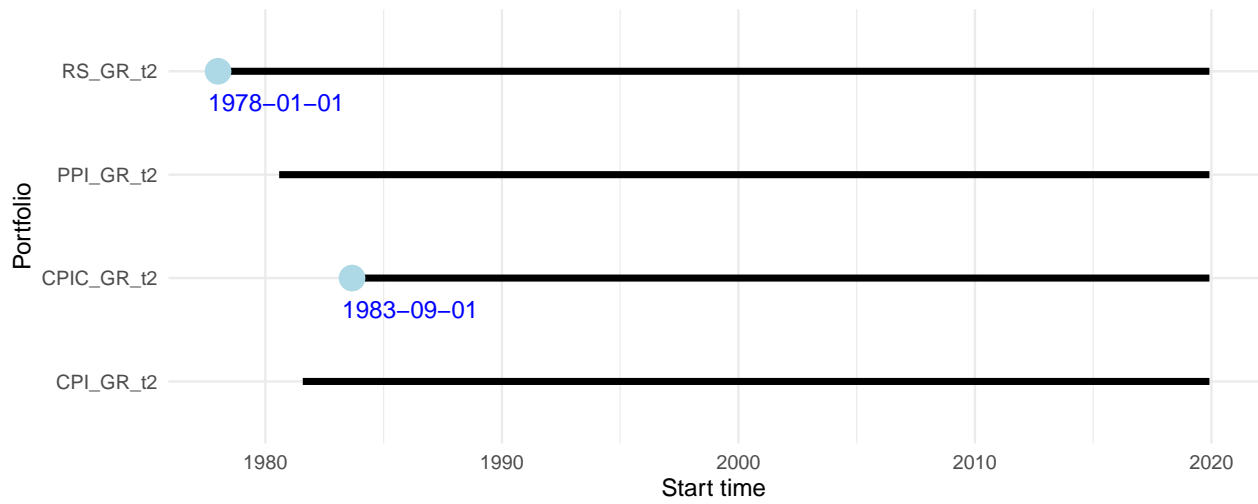
Boxplot of Time to Reach \$1m for Different Gross Return(GR) Portfolios

Boxplot of Time to Reach \$1m for Different Price Return(PR) Portfolios

Impossible Start Time for GR Portfolios to Reach $1m in 2020

Impossible Start Time for PR Portfolios to Reach $1m in 2020