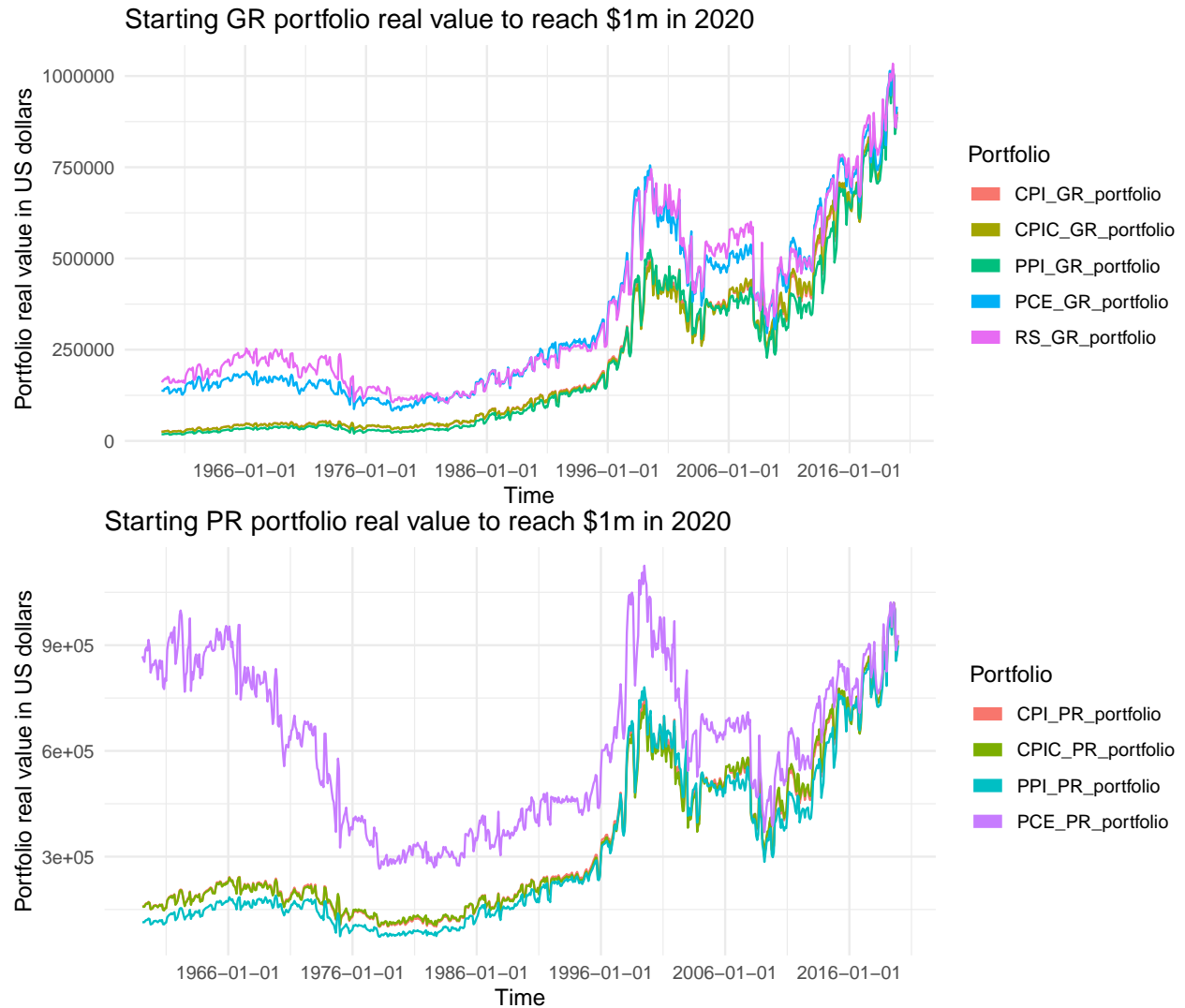
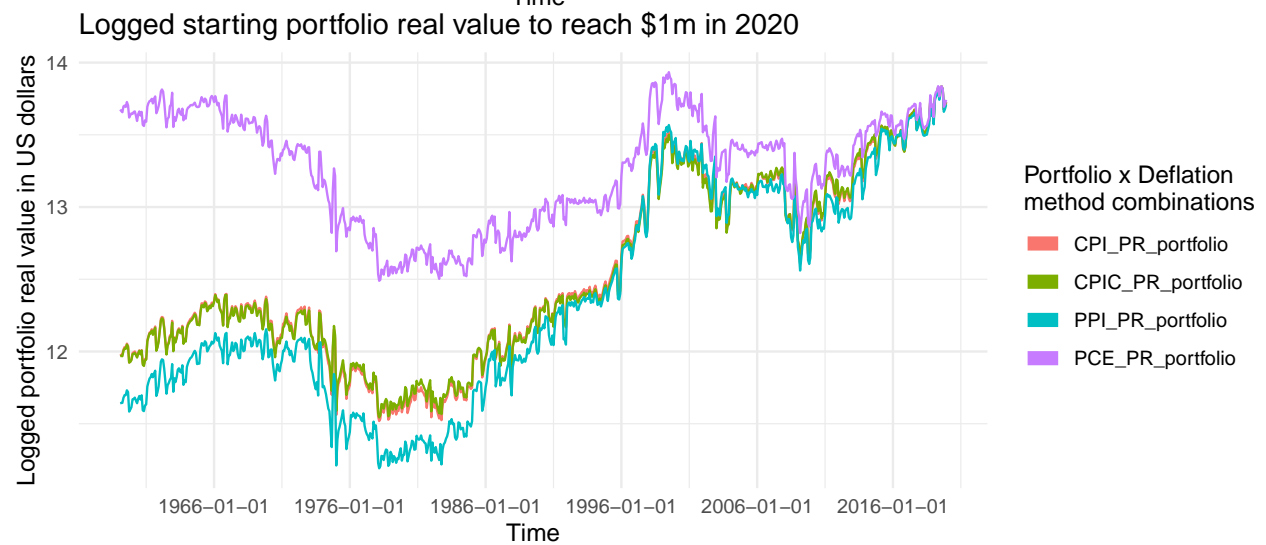
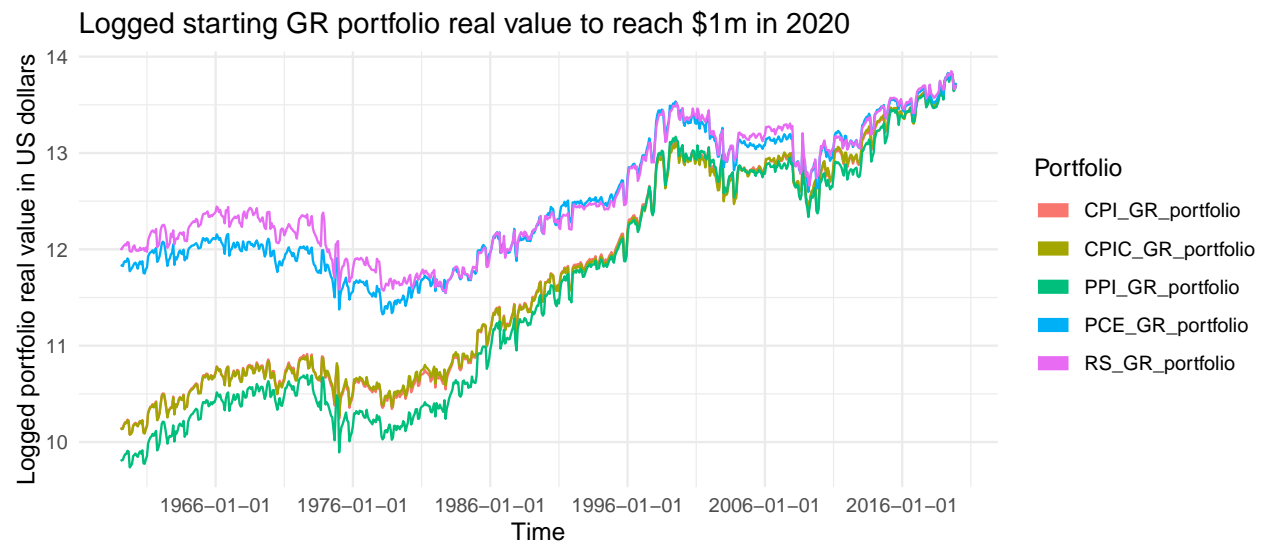


Real value of different portfolios to reach \$1m in 2020

Inflation measures: CPI, CPIC, PPI, PCE

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

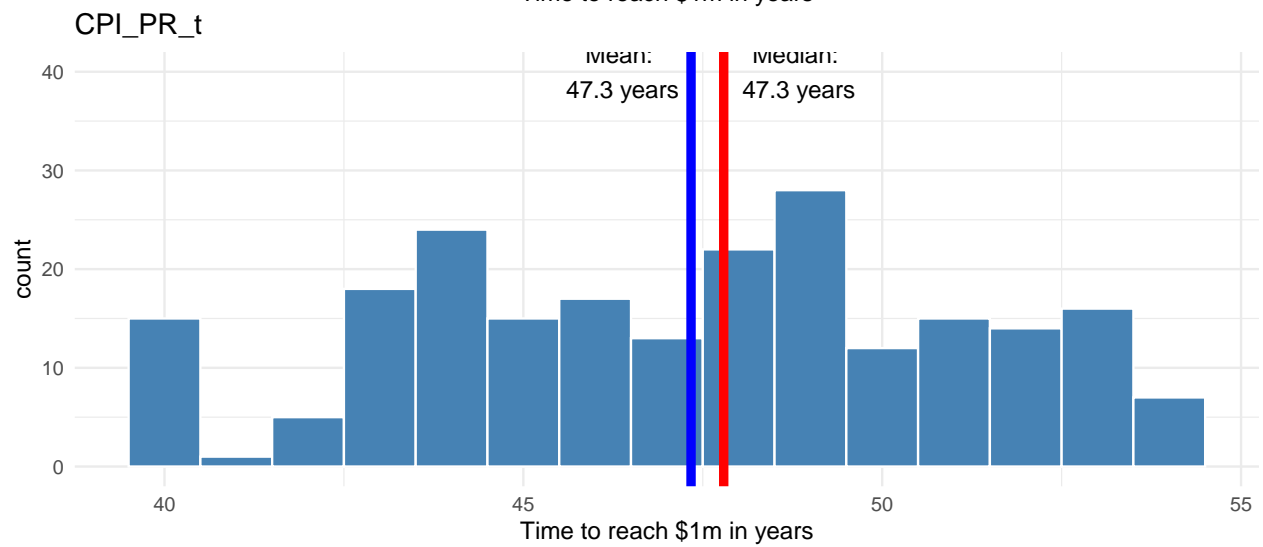
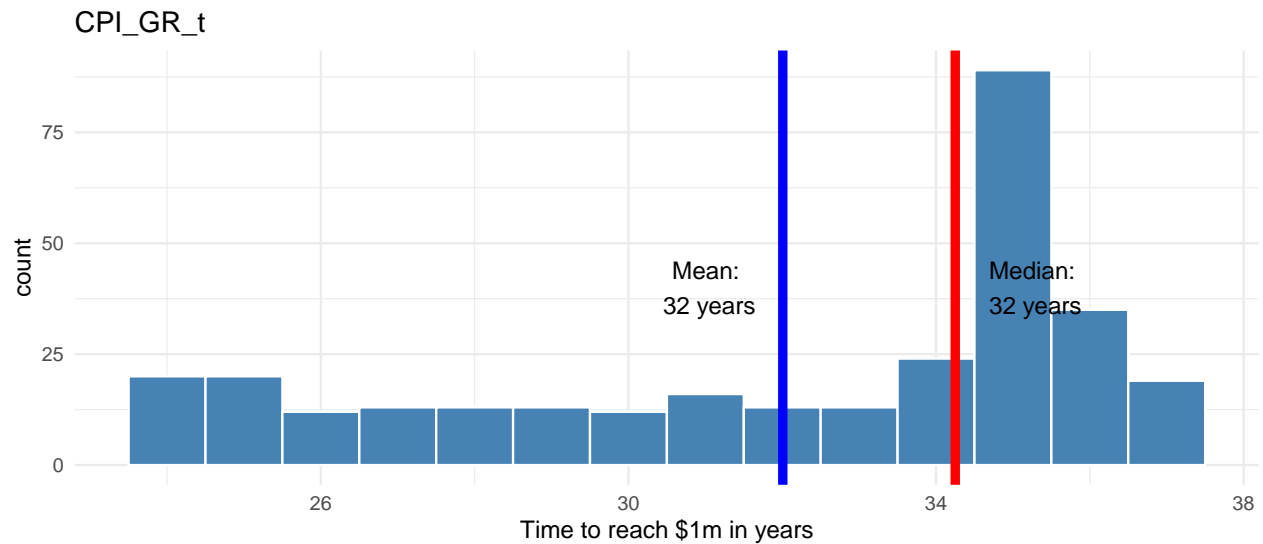


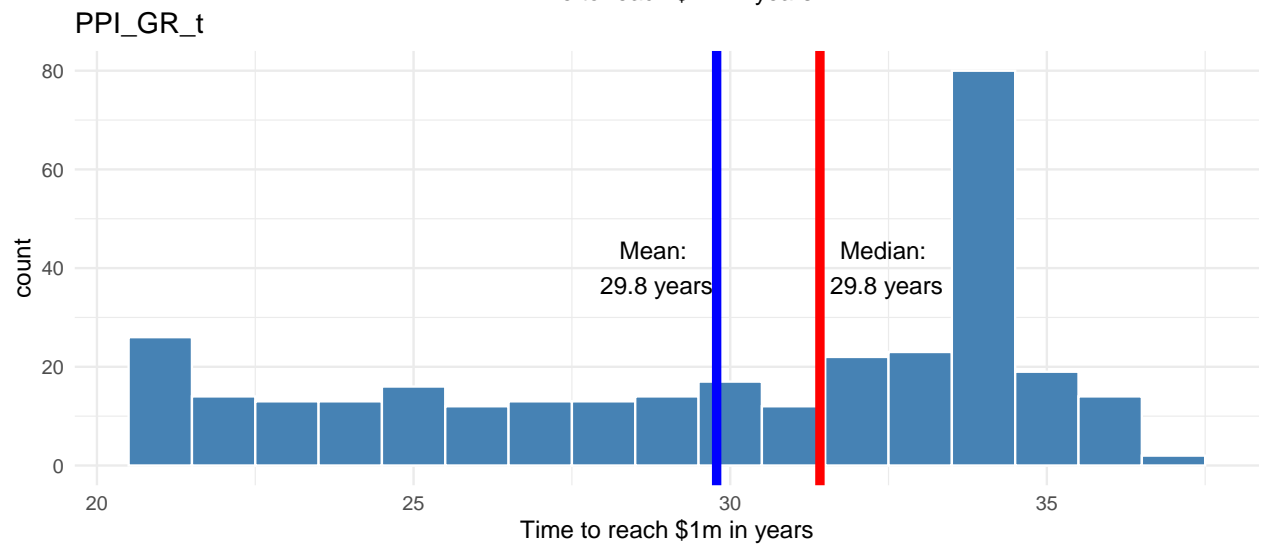
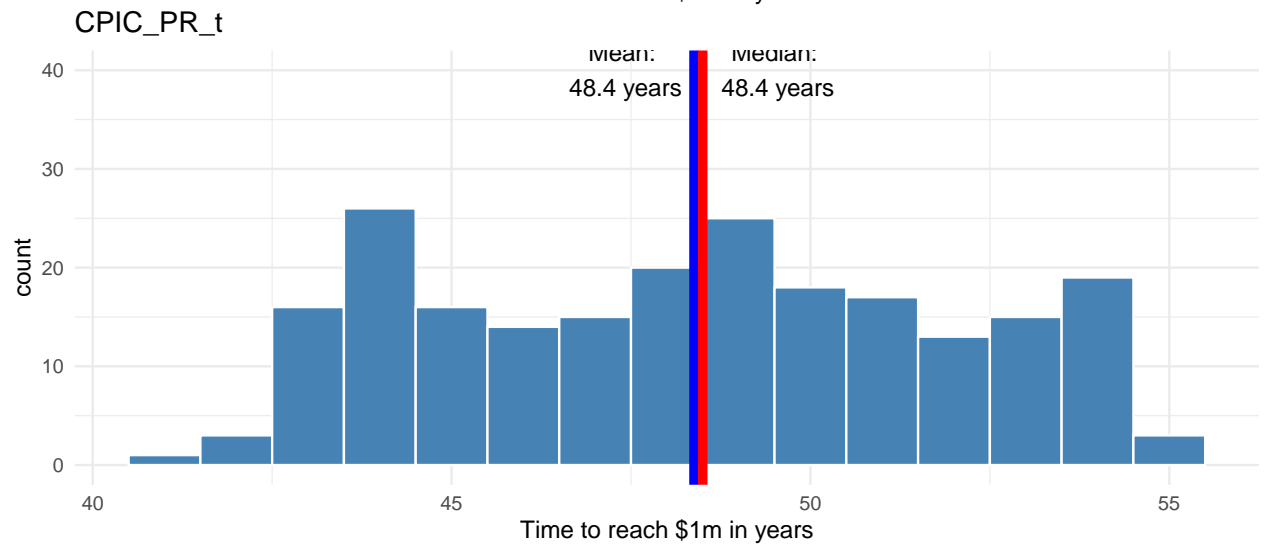
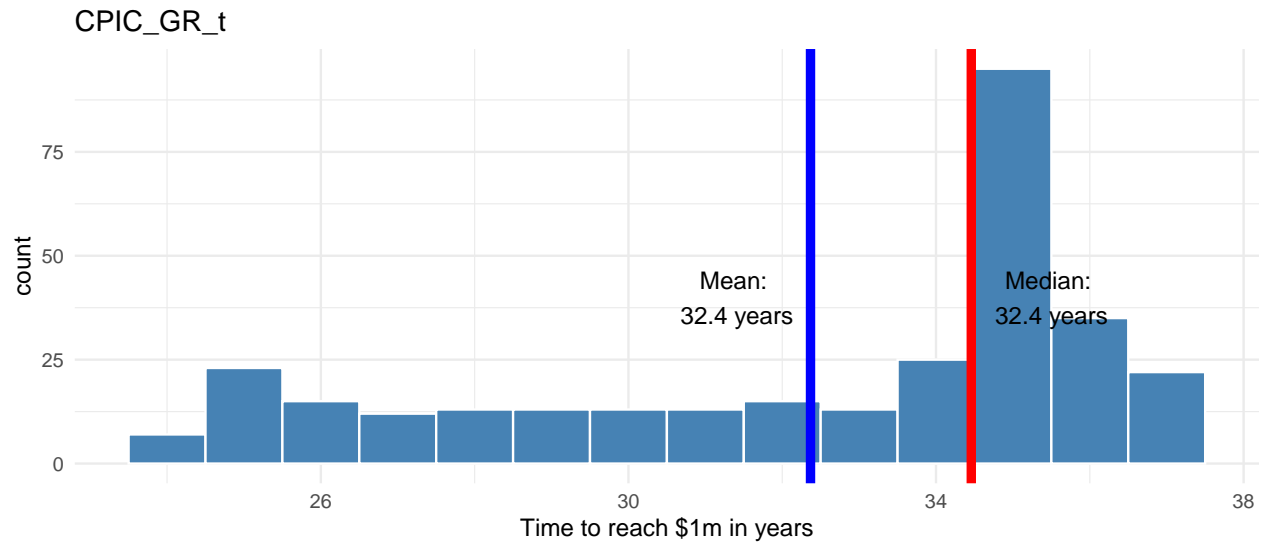


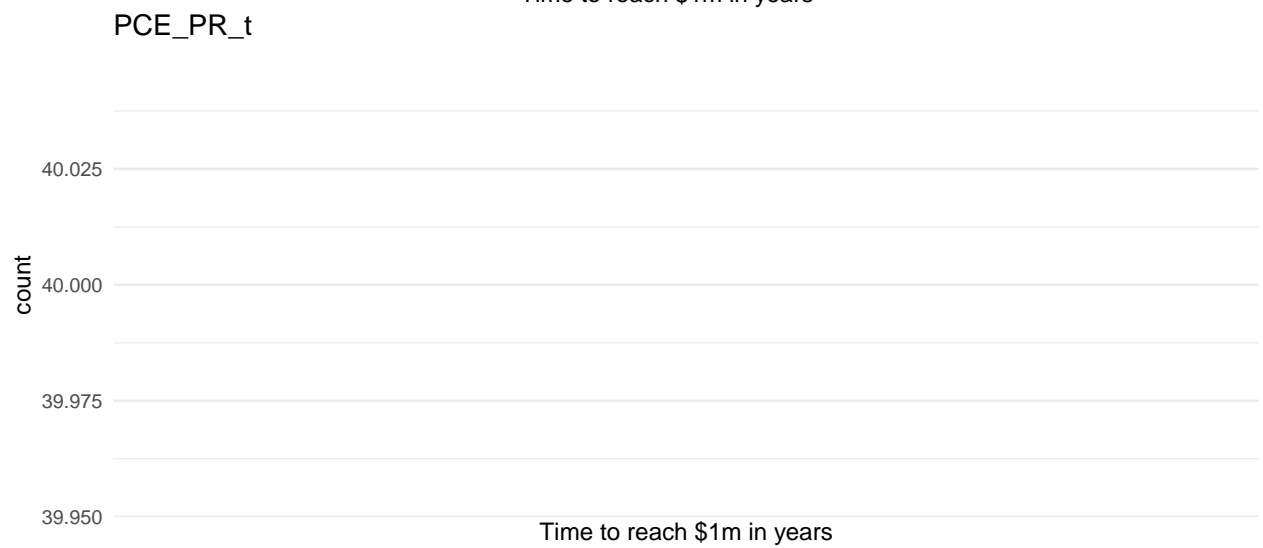
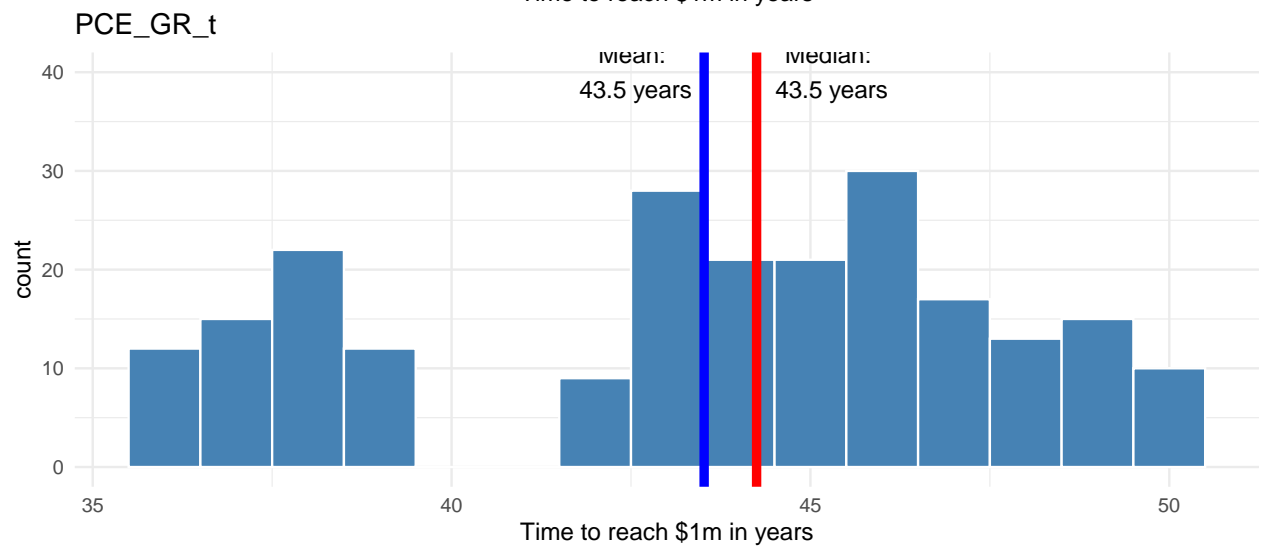
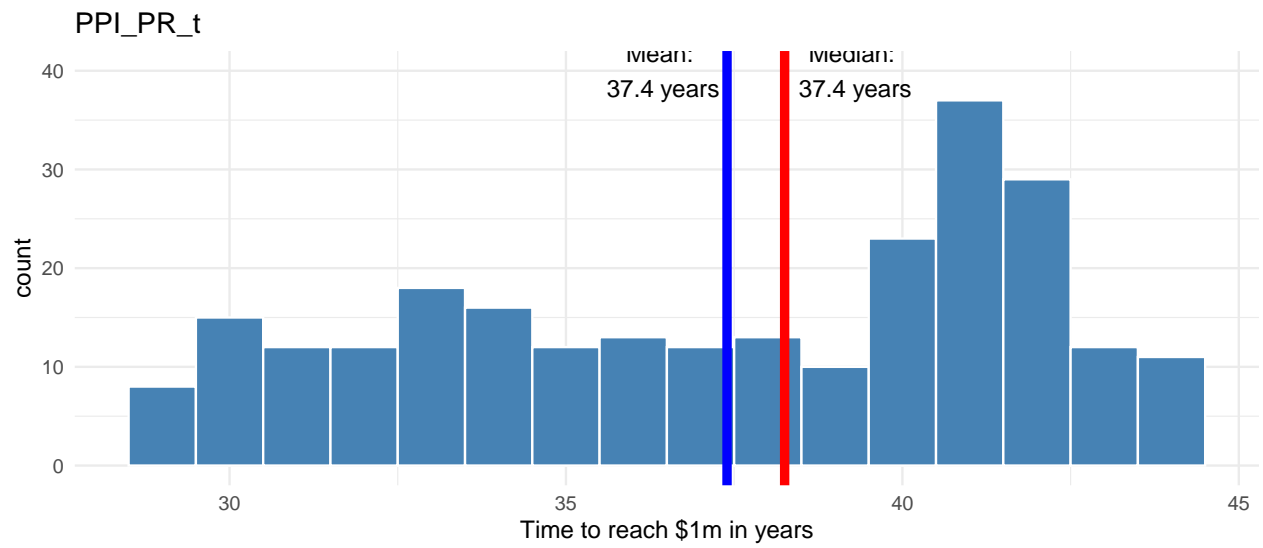
Contribute \$500 each month

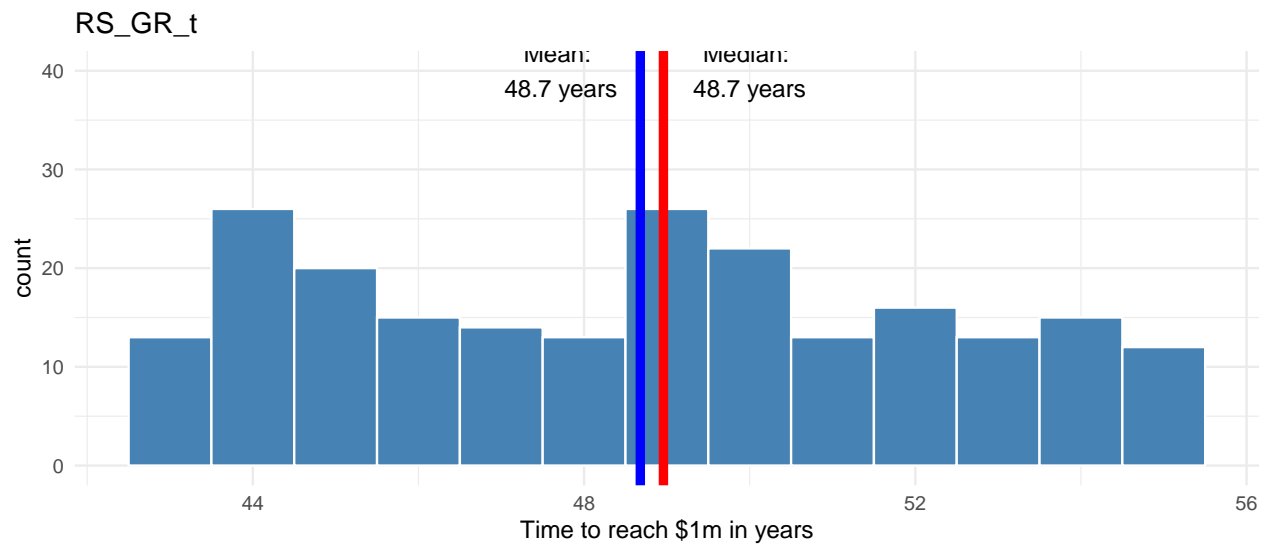
Distribution of time taken from \$0 to \$1m for different portfolio x deflation method combinations

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

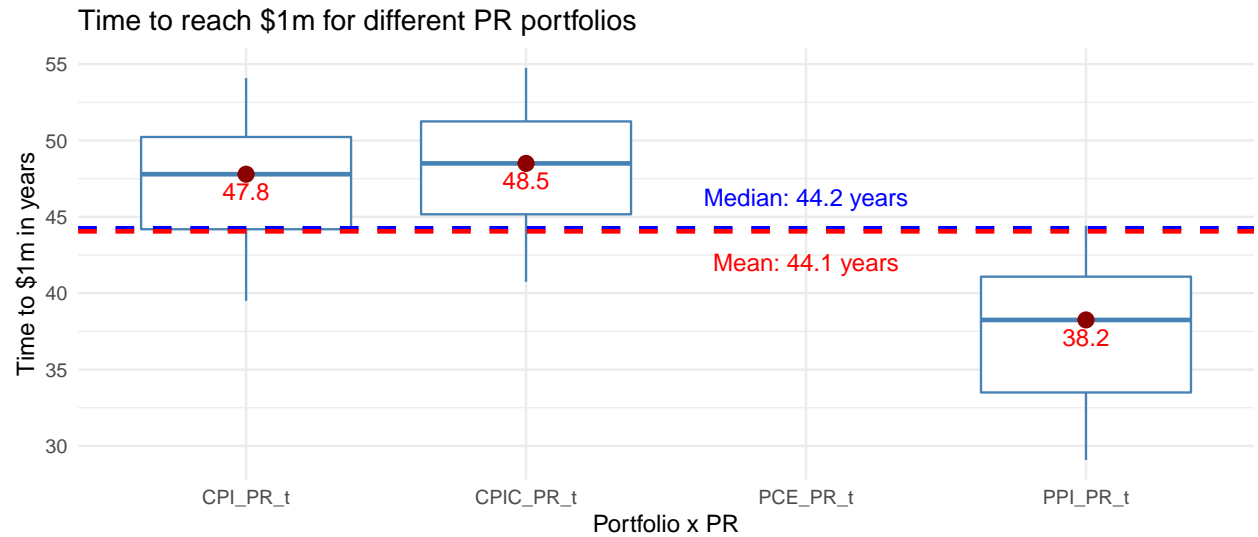
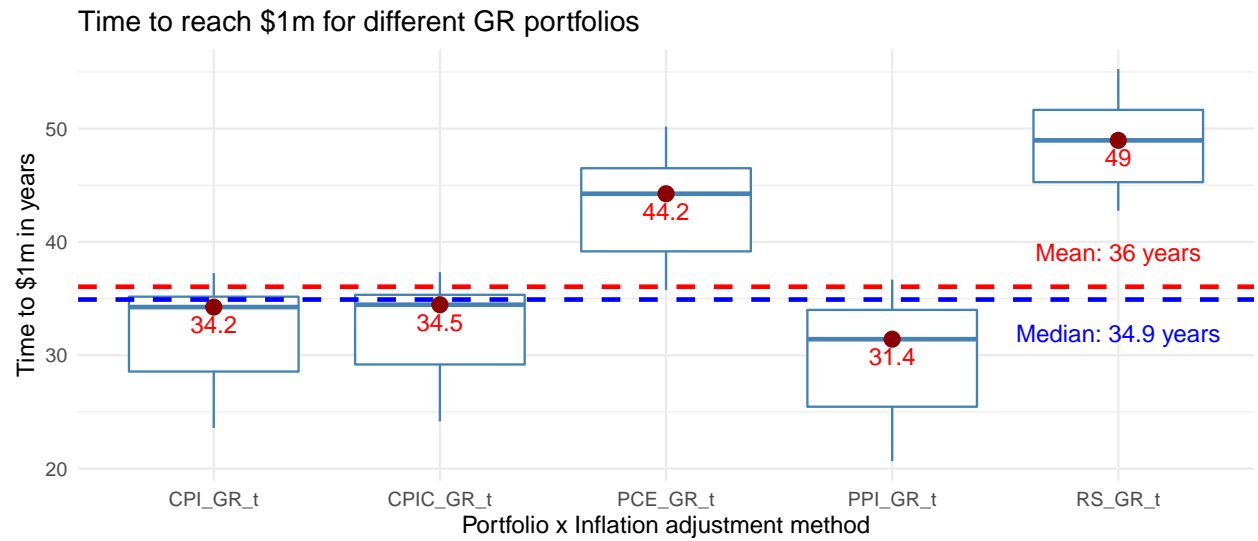


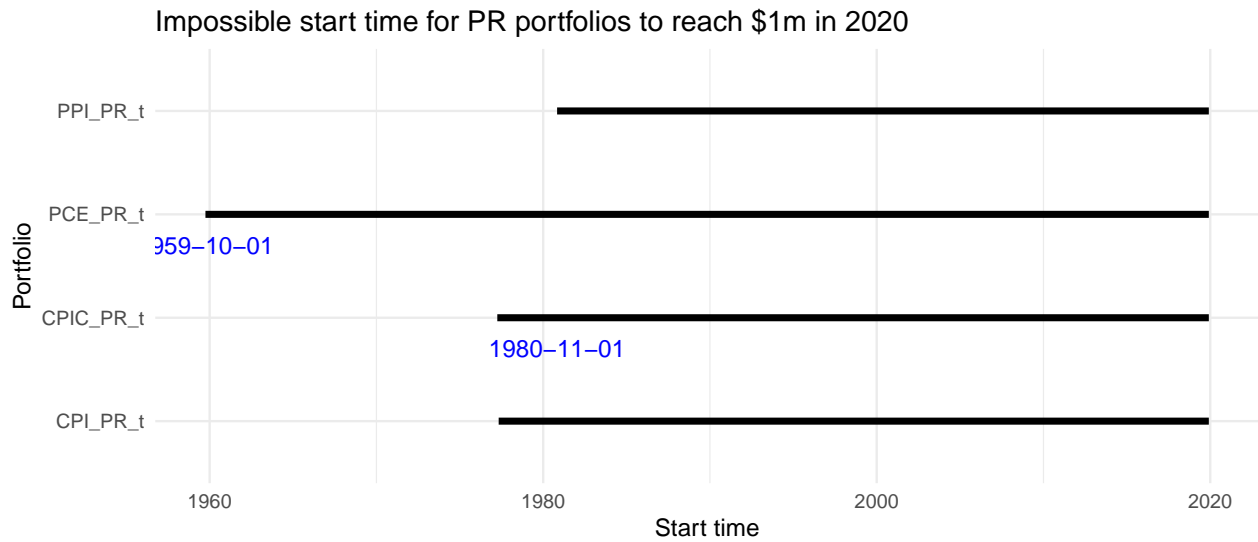
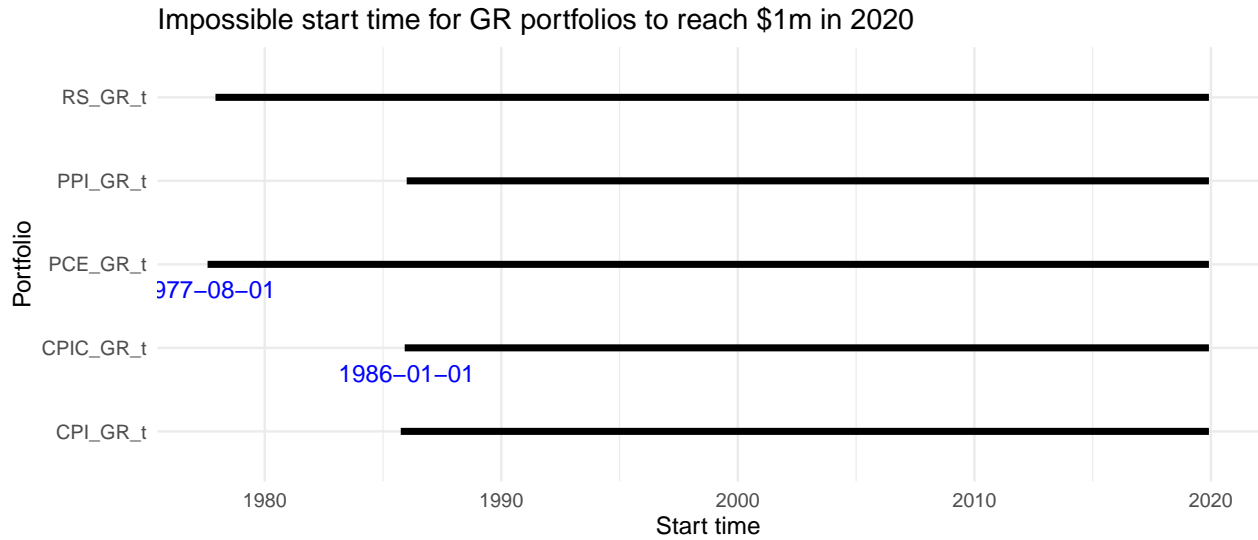






PCE_PR portfolio never reaches \$1m from any starting time since 1959 Feb.





Contribute based on historical contribution limit

##	CPI_GR_terminal	CPI_PR_terminal	CPIC_GR_terminal	CPIC_PR_terminal
## 1	664086.607	285500.254	653958.781	282688.747
## 13	619842.567	274018.737	610812.267	271492.870
## 25	576638.420	262287.670	568784.968	260081.340
## 37	539181.400	251684.656	532270.000	249744.588
## 49	500736.067	240320.986	494617.789	238615.677
## 61	456143.894	226472.237	451101.983	225101.719
## 73	414368.018	212790.041	410586.654	211833.339
## 85	376815.525	199830.873	374650.574	199432.199
## 97	457570.265	250149.689	456821.029	250394.582
## 109	409749.236	231839.573	410792.937	232770.054
## 121	368907.501	215357.866	371079.198	216743.048
## 133	330700.420	199217.916	333704.904	200954.431
## 145	300167.801	185748.865	303638.831	187691.121
## 157	274599.746	174001.738	278099.569	175956.025
## 169	248648.447	161633.341	251784.130	163414.096

## 181	225978.646	150426.584	228747.748	152025.898
## 193	205846.171	140073.093	208349.971	141536.185
## 205	188689.713	130924.985	191063.877	132318.933
## 217	171981.127	121708.855	174199.762	123016.723
## 229	157354.509	113386.771	159273.418	114523.995
## 241	143433.287	105232.783	145043.438	106189.082
## 253	130045.511	97162.657	131312.706	97912.213
## 265	117883.787	89634.170	118829.659	90184.748
## 277	108642.696	83773.959	109353.104	84175.303
## 289	100908.799	78768.249	101420.409	79040.848
## 301	95562.248	75250.976	95911.016	75416.413
## 313	91117.977	72284.782	91312.832	72347.511
## 325	86452.546	69129.817	86525.878	69110.396
## 337	122752.205	98954.381	122678.209	98799.266
## 349	114540.649	93251.977	114216.509	92923.205
## 361	104610.171	86239.482	104025.426	85726.718
## 373	128619.158	107163.510	127683.433	106367.618
## 385	117865.449	99270.881	116760.986	98351.055
## 397	107946.000	91854.246	106873.003	90958.075
## 409	123088.815	105791.826	121879.996	104772.860
## 421	108397.398	94346.543	107205.597	93340.487
## 433	90084.326	79742.479	88988.527	78813.223
## 445	76023.302	68261.290	75157.031	67519.622
## 457	64289.427	58473.902	63662.632	57932.164
## 469	57128.876	52729.717	56741.081	52390.966
## 481	46119.208	43130.986	45969.898	43000.178
## 493	36793.776	34824.809	36801.098	34833.405
## 505	28675.324	27440.090	28722.015	27484.399
## 517	20231.564	19589.469	20260.100	19616.862
## 529	13067.975	12786.283	13079.826	12797.812
## 541	6574.908	6498.719	6578.622	6502.326
##	PPI_GR_terminal	PPI_PR_terminal	PCE_GR_terminal	PCE_PR_terminal
## 1	845291.512	349842.771	298455.000	143219.837
## 13	785556.140	334337.921	284023.792	139475.305
## 25	725138.615	317935.718	269735.269	135594.798
## 37	673322.666	303267.893	256575.303	131868.896
## 49	620163.883	287554.918	242470.971	127699.397
## 61	558536.295	268414.014	225645.044	122472.763
## 73	500347.738	249355.490	209799.959	117284.003
## 85	447915.385	231262.544	195691.286	112416.072
## 97	534597.674	285604.470	244201.010	143814.588
## 109	469749.429	260776.903	226189.413	136916.740
## 121	416140.179	239144.538	210104.213	130423.883
## 133	366691.924	218256.847	194158.701	123686.927
## 145	328299.969	201322.382	181039.433	117899.002
## 157	297639.058	187237.699	169528.813	112609.790
## 169	267429.308	172839.448	157369.197	106813.833
## 181	241036.440	159791.832	146256.769	101319.508
## 193	217527.271	147701.919	136153.757	96123.682
## 205	197866.436	137219.699	127493.354	91506.009
## 217	179196.847	126923.476	119118.055	86886.105
## 229	163523.773	118006.263	111531.105	82568.937
## 241	148766.060	109362.508	104106.314	78219.813
## 253	134718.468	100894.530	96711.951	73762.132

## 265	121915.350	92968.818	89828.244	69500.659
## 277	112210.557	86814.563	84467.248	66100.829
## 289	104224.415	81645.982	79843.189	63107.782
## 301	98930.919	78163.796	76519.323	60921.020
## 313	94666.380	75317.571	73612.014	58980.509
## 325	90059.177	72201.874	70443.583	56837.828
## 337	128291.474	103651.422	100776.404	81910.795
## 349	120597.692	98308.517	94913.092	77838.959
## 361	111002.644	91532.483	87670.870	72724.577
## 373	137193.170	114256.721	108671.170	91043.137
## 385	126102.617	106116.569	100245.298	84858.641
## 397	115602.831	98266.019	92281.532	78904.046
## 409	131790.687	113143.274	105703.937	91277.471
## 421	116387.854	101144.362	93704.533	81929.691
## 433	97147.470	85800.739	78945.870	70160.402
## 445	81770.354	73243.817	67536.189	60843.774
## 457	68557.839	62222.342	57842.271	52757.884
## 469	60065.296	55353.303	52216.272	48300.581
## 481	47697.811	44570.917	42835.773	40122.020
## 493	37458.849	35451.613	34715.718	32888.990
## 505	29030.885	27786.298	27387.373	26222.695
## 517	20620.460	19966.576	19569.366	18953.538
## 529	13346.274	13058.063	12762.008	12488.352
## 541	6689.952	6612.239	6487.489	6412.526
##	RS_GR_terminal			
## 1	277915.675			
## 13	266291.538			
## 25	254565.414			
## 37	244075.202			
## 49	233289.222			
## 61	220085.528			
## 73	207120.226			
## 85	194420.530			
## 97	243584.457			
## 109	225815.859			
## 121	209704.981			
## 133	194186.191			
## 145	180650.179			
## 157	169052.158			
## 169	157151.816			
## 181	146412.948			
## 193	136411.127			
## 205	127610.760			
## 217	118351.165			
## 229	110350.503			
## 241	102589.857			
## 253	94828.382			
## 265	87636.565			
## 277	82081.362			
## 289	77307.333			
## 301	73842.849			
## 313	70878.232			
## 325	67824.144			
## 337	97118.769			

## 349	91446.930
## 361	84485.544
## 373	104942.514
## 385	97325.052
## 397	90198.676
## 409	104144.323
## 421	92477.338
## 433	78346.756
## 445	67391.355
## 457	57463.520
## 469	51723.967
## 481	42132.318
## 493	33944.727
## 505	26719.882
## 517	19070.518
## 529	12455.951
## 541	6468.272