

The purpose of this HW was to successfully run a VBA script that would run through a raw list of data and return two different summary tables of that data. The first summary table would show a list of all the tickers per each worksheet with their Yearly Change, Percent Change, and Total Stock Volume. The other would take that data and return which Ticker had the greatest % increase during that year, which one had the greatest % decrease, and finally which one had the greatest total volume. The script would then run the same sequence for each worksheet in the excel document until there were none left to read. Below are screenshots for each worksheet on a successful run of the “Multiple_year_stock_data” excel workbook:

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
	<ticker>	<date>	<open>	<high>	<low>	<close>	<vol>		Ticker	Yearly Cha	Percent CH	Total Stock Volum			Ticker	Value
1	A	20160101	41.81	41.81	41.81	41.81	0		A	\$3.75	8.97%	\$528,576,200		Greatest % Increase	SD	11675.00%
2	A	20160104	41.06	41.19	40.34	40.69	3287300		AA	-\$11.53	-5.17%	\$5,208,239,000		Greatest % Decrease	DYN.W	-91.49%
3	A	20160105	40.73	40.95	40.34	40.55	2587200		AAC	-\$11.82	-62.01%	\$57,179,800		Greatest Total Volume	BAC	\$ 27,428,529,600
4	A	20160106	40.24	40.99	40.05	40.73	2103600		AAN	\$9.60	42.88%	\$184,809,000				
5	A	20160107	40.14	40.15	38.81	39	3504300		AAP	\$18.61	12.36%	\$262,665,300				
6	A	20160108	39.22	39.71	38.47	38.59	3736700		AAT	\$4.73	12.33%	\$49,026,400				
7	A	20160111	38.71	38.9	37.41	37.94	2818600		AAV	\$1.67	32.87%	\$27,358,200				
8	A	20160112	38.43	38.58	37.65	38.19	1989300		AB	-\$4.0	-1.68%	\$64,736,300				
9	A	20160113	38.35	38.47	36.72	36.86	4206600		ABB	\$3.34	18.84%	\$503,779,400				
10	A	20160114	36.94	37.88	36.55	37.61	2893300		ABBV	\$3.38	5.71%	\$2,034,231,800				
11	A	20160115	36.67	37.56	36.55	37.11	2994300		ABC	-\$25.52	-24.61%	\$647,239,900				
12	A	20160118	37.11	37.11	37.11	37.11	0		ABEV	\$4.45	10.09%	\$4,199,335,100				
13	A	20160119	37.64	37.92	36.79	37.2	2506500		ABG	-\$5.74	-8.51%	\$89,828,200				
14	A	20160120	36.68	37.61	36.13	37.26	2469000		ABM	\$12.37	43.45%	\$79,787,400				
15	A	20160121	37.35	37.83	36.81	37.23	2298300		ABR	\$3.1	4.34%	\$27,556,100				
16	A	20160122	37.91	38.18	37.58	37.98	1834400		ABR-A	\$5.7	2.33%	\$792,500				
17	A	20160125	37.4	38.03	37.4	37.61	1831200		ABR-B	\$2.02	8.95%	\$795,300				
18	A	20160126	37.89	37.96	37.36	37.51	1755000		ABR-C	\$1.8	0.72%	\$521,300				
19	A	20160127	37.39	37.92	36.81	37.05	1479400		ABRN	\$7.0	2.85%	\$1,759,800				
20	A	20160128	37.27	37.27	36.01	36.11	3479400		ABT	-\$6.26	-14.47%	\$2,298,099,600				
21	A	20160129	36.44	37.69	36.31	37.65	2959800		ABX	\$8.60	116.53%	\$4,996,990,800				
22	A	20160201	37.37	37.95	37	37.69	2666500		AC	\$2.35	7.70%	\$6,530,000				
23	A	20160202	37.18	37.55	36.95	37.07	1742300		ACC	\$8.43	20.39%	\$258,457,600				
24	A	20160203	37.27	37.36	36.29	37.19	2128400		ACCO	\$5.92	83.03%	\$163,653,100				
25	A	20160204	37.15	37.79	36.97	37.42	2833400		ACH	\$1.97	23.91%	\$11,563,400				
26	A	20160205	37.26	37.31	35.83	36.04	4424600		ACM	\$6.33	21.08%	\$296,759,000				
27	A	20160208	35.61	35.78	34.39	34.8	3888600		ACN	\$12.63	12.09%	\$650,155,300				
28	A	20160209	34.21	35.77	34.15	35.37	3464400		ACP	\$2.08	18.33%	\$21,179,200				
29	A	20160210	35.63	36.73	35.53	35.85	3169900		ACRE	\$2.29	20.02%	\$35,062,000				
30	A	20160211	35.12	35.61	34.94	35.33	3224000		ACV	\$6.2	3.41%	\$12,734,300				
31	A	20160212	35.84	36.23	35.52	36.22	3923600		ADC	\$12.06	35.48%	\$51,966,400				
32	A	20160215	36.22	36.22	36.22	36.22	0		ADM	\$8.97	24.45%	\$909,133,500				
33	A	20160216	36.72	37.17	36.4	37.08	2903600		ADNT	\$11.60	24.68%	\$101,270,800				
34	A	20160217	35.22	38.13	34.75	37.87	5382300		ADPT	-\$46.88	-85.99%	\$181,359,500				
35	A	20160218	37.73	37.96	37.09	37.19	2231400		ADS	-\$48.07	-17.38%	\$198,979,100				
36	A	20160219	36.98	37.6	36.85	37.44	2339400		ADSW	\$1.72	8.39%	\$34,703,200				
37	A	20160222	37.88	38.19	37.78	38.03	1792900		ADX	-\$1.2	-0.94%	\$44,199,400				
38	A	20160223	37.64	37.96	36.95	37.17	1282200		AEB	\$1.60	-6.63%	\$5,311,800				

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
	<ticker>	<date>	<open>	<high>	<low>	<close>	<vol>		Ticker	Yearly Cha	Percent CH	Total Stock Volum			Ticker	Value	
A		20150101	40.94	40.94	40.94	40.94	0		A	\$8.7	2.13%	\$645,319,200		Greatest % Increase	PLNT	1563000000.00%	
A		20150102	41.18	41.31	40.37	40.56	1530700		AA	-\$17.76	-37.49%	\$6,449,104,200		Greatest % Decrease	KMLW	-98.59%	
A		20150105	40.32	40.46	39.7	39.8	2042200		AA-B	-\$17.14	-33.97%	\$40,441,700		Greatest Total Volume	BAC	\$ 21,277,761,900	
A		20150106	39.81	40.02	39.02	39.18	2084500		AAC	-\$11.86	-38.36%	\$78,122,300					
A		20150107	39.52	39.81	39.29	39.7	3359600		AAN	-\$8.18	-26.76%	\$179,606,700					
A		20150108	40.24	40.98	40.18	40.89	2116300		AAP	-\$8.77	-5.51%	\$266,930,500					
A		20150109	41	41	40.29	40.59	1644900		AAT	\$1.46	-3.67%	\$48,158,100					
A		20150112	40.61	40.72	39.95	40.11	2771100		AAV	\$2.29	6.05%	\$30,229,400					
A		20150113	40.47	40.7	39.33	39.55	2013400		AB	-\$1.98	-7.67%	\$71,403,800					
A		20150114	39.03	39.1	38.21	39.06	5134000		ABB	-\$3.42	-16.17%	\$532,805,500					
A		20150115	39.33	39.41	37.99	38.01	2630200		ABBV	\$6.20	-9.47%	\$2,643,021,600					
A		20150116	37.86	38.46	37.76	38.25	3003900		ABC	\$13.55	15.03%	\$516,218,400					
A		20150119	38.25	38.25	38.25	38.25	0		ABEV	-\$1.76	-28.30%	\$3,915,345,800					
A		20150120	38.43	38.66	37.76	37.93	5033600		ABG	-\$8.48	-11.17%	\$82,930,400					
A		20150121	37.75	38.41	37.68	38.16	2721600		ABM	-\$1.8	-0.63%	\$72,539,400					
A		20150122	38.51	39.86	38.12	39.65	4856500		ABR	\$3.38	5.61%	\$37,916,900					
A		20150123	39.6	39.6	38.76	38.81	1519200		ABR-A	-\$4.9	-1.96%	\$1,243,100					
A		20150126	38.79	39.17	38.47	39.15	1511200		ABR-B	-\$2.14	-8.66%	\$1,022,000					
A		20150127	38.7	39.25	38.58	38.75	1703500		ABR-C	-\$1.2	-0.47%	\$634,000					
A		20150128	39.01	39.05	37.96	38	2033500		ABRN	\$1.0	0.41%	\$2,109,900					
A		20150129	38	38.47	37.69	38.46	2329900		ABT	-\$1.1	-0.24%	\$1,469,310,700					
A		20150130	38.01	38.32	37.71	37.77	3054300		ABX	-\$3.37	-31.35%	\$4,289,215,100					
A		20150202	37.9	38.76	37.71	38.69	2508400		AC	\$1.0	3.39%	\$437,700					
A		20150203	39.04	39.63	38.92	39.62	2950300		ACC	-\$0.2	-0.05%	\$228,980,000					
A		20150204	39.33	39.46	38.82	39.11	2567400		ACCO	-\$1.88	-20.87%	\$167,330,800					
A		20150205	39.22	39.82	39.22	39.53	1826300		ACH	-\$3.28	-28.47%	\$35,801,000					
A		20150206	39.54	39.81	39.23	39.34	2697200		ACM	-\$3.4	-1.12%	\$362,299,600					
A		20150209	39.23	39.43	38.95	39.04	3586100		ACN	\$15.19	17.01%	\$625,655,000					
A		20150210	39.31	39.76	38.78	39.67	1408700		ACP	-\$3.76	-24.88%	\$14,348,400					
A		20150211	39.64	39.81	39.23	39.33	3337000		ACRE	-\$0.4	-0.35%	\$39,118,800					
A		20150212	39.58	40.06	39.53	40.02	1317700		ACV	-\$6.79	-27.21%	\$11,539,300					
A		20150213	39.97	40.31	39.91	40.15	2211900		ACW	-\$2.68	-61.75%	\$46,092,000					
A		20150216	40.15	40.15	40.15	40.15	0		ADC	\$2.90	9.33%	\$27,995,400					
A		20150217	40.01	40.53	39.76	40.52	2875700		ADM	-\$15.32	-29.46%	\$998,224,500					
A		20150218	41.12	42.2	40.91	41.54	9007200		ADPT	\$17.12	45.78%	\$82,504,100					
A		20150219	41.4	41.57	41.04	41.15	3737300		ADS	-\$9.48	-3.31%	\$108,101,200					
A		20150220	41.09	42.11	40.88	41.95	2971800		ADX	-\$8.5	-6.21%	\$31,402,600					
A		20150223	41.89	41.96	41.49	41.73	1967900		AEB	\$6.65	2.77%	\$4,267,500					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
	<ticker>	<date>	<open>	<high>	<low>	<close>	<vol>		Ticker	Yearly Chang	Percent Chan	Total Stock Volume			Ticker	Value
A		20140101	57.19	57.19	57.19	57.19	0		A	\$16.25	-28.41%	\$572,978,100		Greatest % Increase	DM	5581.16%
A		20140102	57.1	57.1	56.15	56.21	1916100		AA	\$15.48	48.54%	\$5,161,412,000		Greatest % Decrease	CBO	-95.73%
A		20140103	56.39	57.35	56.26	56.92	1866600		AA-B	\$1.34	2.73%	\$21,618,200		Greatest Total Volume	BAC	\$ 21,595,474,700
A		20140106	57.4	57.7	56.56	56.64	1777400		AAC	\$10.92	54.60%	\$9,789,700				
A		20140107	56.95	57.63	56.93	57.45	1463200		AAN	\$1.17	3.98%	\$237,929,300				
A		20140108	57.33	58.54	57.17	58.39	2659400		AAP	\$48.60	43.91%	\$200,376,400				
A		20140109	58.4	58.68	57.87	58.41	1757600		AAT	\$8.38	26.66%	\$40,207,800				
A		20140110	58.51	59.01	58.14	58.93	1623300		AAV	\$45	10.37%	\$86,658,700				
A		20140113	58.77	59.1	58.6	58.93	2946700		AB	\$4.49	21.04%	\$83,051,600				
A		20140114	59.16	59.95	59.02	59.88	2562200		ABB	\$5.41	-20.37%	\$466,820,000				
A		20140115	59.82	60.37	59.59	60.34	2335100		ABBV	\$12.63	23.92%	\$2,303,237,600				
A		20140116	60.24	60.5	60.04	60.5	1835900		ABC	\$19.85	28.23%	\$428,969,000				
A		20140117	60.83	60.83	60.33	60.71	1699500		ABEV	\$1.14	-15.37%	\$3,208,014,300				
A		20140120	60.71	60.71	60.71	60.71	0		ABG	\$22.18	41.27%	\$81,065,600				
A		20140121	60.69	60.88	59.86	60.85	3008400		ABM	\$0.6	0.21%	\$52,403,000				
A		20140122	60.82	61.22	60.71	60.93	2769300		ABR	\$1.1	1.65%	\$28,348,400				
A		20140123	60.48	60.51	59.4	59.47	3063500		ABR-A	\$7.7	3.18%	\$1,798,500				
A		20140124	59.46	59.46	57.71	57.87	2656300		ABR-B	\$2.09	9.24%	\$1,722,000				
A		20140127	57.9	58.37	56.98	58.3	4669000		ABR-C	\$94	3.86%	\$1,758,200				
A		20140128	58.5	58.88	57.91	58.1	2536200		ABRN	\$49	2.04%	\$3,451,100				
A		20140129	57.67	58.22	57.41	57.65	2163000		ABT	\$6.60	17.45%	\$1,516,024,700				
A		20140130	58.42	60.11	58.42	59.51	3743100		ABX	\$6.88	-39.02%	\$3,085,372,400				
A		20140131	58.61	59.15	58.05	58.15	3529000		ACC	\$9.15	28.41%	\$180,543,400				
A		20140203	58.15	58.48	56.08	56.15	2929200		ACCO	\$2.29	34.08%	\$223,248,000				
A		20140204	56.32	57.88	56.09	57.81	2911800		ACH	\$2.82	32.41%	\$34,117,500				
A		20140205	57.58	57.7	56.96	57.43	2283800		ACM	\$94	3.19%	\$303,393,900				
A		20140206	57.51	58.35	57.46	58.29	1609400		ACN	\$7.09	8.62%	\$705,479,100				
A		20140207	58.46	59.47	58.13	59.42	1975200		ACP	\$2.47	-14.05%	\$14,206,700				
A		20140210	59.27	59.44	58.29	59.01	1760400		ACRE	\$1.62	-12.37%	\$44,197,000				
A		20140211	59	60	58.88	59.73	2148200		ACW	\$61	16.35%	\$60,360,500				
A		20140212	60	60.46	59.67	59.89	2347200		ADC	\$2.07	7.13%	\$16,456,400				
A		20140213	59.45	60.38	59.37	60.08	3097000		ADM	\$8.60	19.82%	\$899,905,700				
A		20140214	57.15	57.77	54.87	55.25	17862700		ADPT	\$12.24	48.65%	\$19,722,500				
A		20140217	55.25	55.25	55.25	55.25	0		ADS	\$23.12	8.79%	\$178,760,600				
A		20140218	55.38	56.04	54.96	55.15	6553800		ADX	\$61	4.67%	\$34,090,400				
A		20140219	55.01	56.65	54.9	55.94	4838700		AEB	\$3.80	19.31%	\$7,019,700				
A		20140220	56.14	57.54	56.05	57.29	4629700		AED	\$1.82	7.72%	\$9,710,300				
A		20140221	57.25	57.4	56.32	56.34	2407100		AEE	\$9.97	27.57%	\$412,343,900				

It was interesting to see that Ticker “BAC” was always the highest in stock volume.

In my submission, you will also find a text file of the code I used, as well as the alphabetical testing workbook which I used to test out my code.

I hope you enjoy!