

VBA Homework – October 11, 2020

Alphabetical Testing Screenshots:

The screenshot shows a Microsoft Excel spreadsheet titled "alphabetical_testingHW". The data is organized into several columns:

- Header Row:** Contains columns A through T, with headers like <date>, <open>, <high>, <low>, <close>, <vol>, Ticker, Yearly Change, Percent Change, Total Stock Volume, and Ticker.
- Data Rows:** Rows 2 through 37 contain specific data points. For example, row 2 shows 20160101 as the date, 41.81 as the open, 41.81 as the close, and 0 as the volume. The Ticker is A, with a Yearly Change of 3.75% and a Total Stock Volume of 528576200. Other rows show data for various other tickers like AA, AAC, AAN, AAP, AB, ABB, ABWV, ABW, ABRC, ABEV, ABG, ABM, ABR, ABR-A, ABR-B, ABR-C, ABRN, ABT, ABX, AG, AGC, ACC, AGCO, AGH, ACM, AGN, AGP, AGRE, AGV, ADC, ADM, ADNT, ADPT, ADS, and ADSW.
- Formulas:** The spreadsheet includes several formulas such as =IF(Yearly Change > 0, "Greatest Increase", "Greatest Decrease") and =IF(Total Stock Volume > 500000000, "Greatest Volume", "Least Volume").
- Toolbars and Menus:** The top menu bar includes Home, Insert, Draw, Page Layout, Formulas, Data, Review, View, Developer, Tell me, Share, and Comments. The developer tab is currently selected.

Excel File Edit View Insert Format Tools Data Window Help alphabetical_testingHW — Saved to my Mac

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P1 A B C D E F G H I J K L M N O P Q R S T

<ticker>	<date>	<open>	<high>	<low>	<close>	<vol>	Ticker	Yearly Change	Percent Change	Total Stock Volume	Ticker	Value
2 B	20160101	35.39	35.39	35.39	35.39	0	B	12.03	33.99265329	56633600	Greatest Increase	BAS 1219.02985
3 B	20160104	34.67	35.12	34.06	34.31	277300	BA	11.09	7.669963345	111660700	Greatest Decrease	BCEI -80.645161
4 B	20160105	34.33	34.39	33.87	34.12	204300	BABA	6.54	8.047249908	3742094000	Greatest Volume	BAC 2.7429E+10
5 B	20160106	33.59	33.92	33.5	33.86	295000	BAC	5.27	31.31313131	2742852960		
6 B	20160107	33.16	33.34	32.57	32.64	234400	BAC-A	-0.23	-0.915240748	43727700		
7 B	20160108	32.85	32.85	32.19	32.26	229400	BAC-C	-0.06	-0.23715415	43552600		
8 B	20160111	32.48	32.65	31.71	32.56	152900	BAC-D	-0.74	-2.864885792	12479800		
9 B	20160112	33.53	33.93	32.34	32.98	303200	BAC-E	-0.56	-2.50111657	15098400		
10 B	20160113	33.15	33.32	31.53	31.65	228100	BAC-I	-1.44	-5.38165919	5943700		
11 B	20160114	31.86	32.47	31.22	32.1	196400	BAC-L	73.53	6.775694476	2481300		
12 B	20160115	31.06	31.6	30.85	31.49	312900	BAC-W	-1.03	-3.851907255	23599700		
13 B	20160118	31.49	31.49	31.49	31.49	0	BAC-Y	-3.2	-4.491017964	25334000		
14 B	20160119	31.87	31.87	30.84	31.27	203400	BACA	4.13	70.96219391	165623300		
15 B	20160120	30.85	31.79	30.43	31.38	210200	BAC-B	0.69	255.555556	54083700		
16 B	20160121	31.42	31.53	30.79	30.87	222800	BAF	-0.32	-3.51826793	6221300		
17 B	20160122	31.33	31.94	31.03	31.54	138200	BAH	5.22	16.29058347	263732400		
18 B	20160125	31.36	31.48	30.64	30.74	139800	BAK	7.87	56.64697194	137314000		
19 B	20160126	30.98	31.69	30.98	31.6	199000	BAM	1.48	4.639342277	285278900		
20 B	20160127	31.45	31.94	31.17	31.35	173200	BAN-C	-0.76	-2.85929701	930500		
21 B	20160128	31.7	31.99	31.2	31.41	85300	BAN-D	-0.58	-2.34206471	3546200		
22 B	20160129	31.49	32.58	31.4	32.51	305200	BAN-E	0.12	0.484848485	7550200		
23 B	20160201	32.23	32.41	31.8	32.2	153100	BANC	2.73	18.67305062	247132700		
24 B	20160202	31.82	31.85	31.11	31.17	183900	BAP	60.54	62.20715166	90719600		
25 B	20160203	31.52	31.52	30.65	31.22	223800	BAS	32.67	1219.029851	601319000		
26 B	20160204	31.18	32.08	31.05	31.43	369300	BAX	6.19	16.22542595	1488815900		
27 B	20160205	31.27	31.47	30.95	30.98	455000	BBD	3.9	81.08108108	342392200		
28 B	20160208	30.67	31.21	30.44	31.21	364200	BBOO	1.63	69.54022889	8311600		
29 B	20160209	30.58	31.15	30.55	30.96	267700	BDF	-0.58	-4.4109589	5674200		
30 B	20160310	30.48	31.23	30.69	30.71	325200	BFG	1.06	0.80841054	5251600		
31 B	20160311	30.31	30.95	30.07	30.69	223800	BFR	-0.56	-5.45292441	5780600		
32 B	20160312	30.88	31.23	30.2	30.5	480800	BFR	8.81	38.89824724	69241200		
33 B	20160315	30.5	30.5	30.5	30.5	0	BGN	0.62	2.855195424	59273400		
34 B	20160316	30.92	31.21	30.52	31	600200	BBT	0.71	24.35963528	1505676700		
35 B	20160317	31.2	31.29	30.82	30.82	561500	BBT-D	-1.89	-7.153671461	9218200		
36 B	20160318	30.84	31.85	30.73	31.75	1074000	BBT-E	-2.36	-9.03982497	20186600		
27 C	20160109	59.43	59.43	59.43	59.43	100000	CACI	0.0	0.0	533500		
28 C	20160111	46.56	46.99	45.93	46.85	26284500	CAP	-0.78	-2.752210173	2132700		
29 C	20160112	47.49	47.45	46.27	46.88	26309900	CAS	0.65	2.636916836	50086600		
30 C	20160113	47.32	47.35	44.97	45.19	27925800	CA	-0.04	-16.66666667	158592500		
31 C	20160114	45.42	45.81	44.56	45.38	30129500	CAA	-3.91	-10.31118143	373575200		
32 C	20160115	42.51	43.69	41.85	42.47	25425000	CAB	11.82	25.29424353	23701500		
33 C	20160118	42.47	42.47	42.47	42.47	0	CABO	188.07	43.36807637	9902800		
34 C	20160119	42.85	43.12	41.66	41.94	39032700	CACI	31.52	33.97283897	48164400		
35 C	20160201	40.52	41.03	39.44	40.49	49905400	CACI	2.88	25.96394175	18387100		
36 C	20160211	40.51	41.39	40.03	40.15	34976700	CACI	-2.82	-14.66599699	40320700		
37 C	20160212	41.05	41.35	40.82	41.06	30187100	CAG	-2.61	-6.19072087	771793500		
38 C	20160215	40.81	40.96	39.45	39.55	31924000	CAH	-17.3	-19.37941078	628679300		
39 C	20160216	39.6	40.79	39.5	40.5	23508400	CAI	-1.41	-13.98809524	25173400		
40 C	20160217	40.37	41.69	40.23	40.56	28274700	CAJ	-1.99	-6.604712911	73608500		
41 C	20160218	41.2	41.39	40.07	40.39	2312800	CAL	6	22.37136465	83017600		
42 C	20160219	40.8	42.59	40.78	42.58	36107600	CALX	-0.17	-2.160101652	48517800		
43 C	20160201	42.36	42.83	42	42.48	22860300	CAPL	-0.73	-2.816358025	20861700		
44 C	20160202	41.86	41.86	40.28	40.42	31460900	CAT	24.78	36.46262507	1383911100		
45 C	20160203	40.65	40.71	38.04	40.36	43680200	CATO	-6.74	-18.30526888	36666000		
46 C	20160204	40.11	41.57	40.05	40.79	26697300	CB	-0.52	-0.392038601	447803800		
47 C	20160205	41.02	41.44	39.55	39.86	23599600	CBA	0.99	12.08791209	55111900		
48 C	20160208	39.14	39.18	37.18	37.81	35237100	CCB	4.35	24.16666667	179058000		
49 C	20160209	36.93	38.07	36.68	37.51	39767200	CCB-B	0.9	1.874609456	984000		
50 C	20160210	38.5	39.09	37.38	37.41	33390000	CBD	6.03	57.31939163	201832300		
51 C	20160211	36	36.16	34.52	34.98	48945500	CBG	-3.09	-8.935801041	735275000		
52 C	20160212	36.03	37.87	35.98	37.54	38120300	CBI	-7.24	-18.56886381	412542700		
53 C	20160215	37.54	37.54	37.54	37.54	0	CBK	0.69	41.81818182	87558500		
54 C	20160216	38.59	39.22	38.32	38.89	31802500	CLB	-0.87	-7.033144705	593562600		
55 C	20160217	39.71	40.29	39.5	39.78	29133500	CLD-D	-0.84	-3.321470937	12131500		
56 C	20160218	39.93	39.99	38.62	38.92	24107600	CLD-E	-1.98	-7.935871743	8890800		
57 C	20160219	40.26	40.26	39.99	40.26	22429000	CM	-0.96	-3.05828088	106409800		

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O12 A B C D E F G H I J K L M N O P Q R S T

	<ticker>	<date>	<open>	<high>	<low>	<close>	<vol>	Ticker	Yearly Change	Percent Change	Total Stock Volume	Ticker	Value
2 D	20160101	67.64	67.64	67.64	67.64	67.64	0	D	8.95	13.23181549	721121300	DRD	230.625
3 D	20160104	66.97	67.51	66.33	67.47	3896700		DAC	-3.34	-55.75959933	17895900	Greatest Increase	
4 D	20160105	67.29	68.12	66.25	68.05	2476000		DAL	-1.5	-2.959163543	2611801700	Greatest Decrease	-91.489362
5 D	20160106	67.57	68.87	67.33	68.47	2670700		DAN	5.18	37.53623188	481995200	Greatest Volume	DNR
6 D	20160107	67.67	68.71	67.6	68.51	4011800		DAR	2.39	22.71863118	409384800		3189586900
7 D	20160108	68.48	69.9	68.38	69.52	5391400		DATA	-52.07	-55.2642751	411703100		
8 D	20160111	69.59	69.93	69.31	69.41	3898700		DB	-6.05	-25.05179583	1560765100		
9 D	20160112	69.64	69.88	68.51	68.9	4318300		DBD	-4.94	-16.41741442	214045800		
10 D	20160113	69.04	69.49	68.86	69.02	3646400		DBL	-2.21	-8.73172659	2290200		
11 D	20160114	68.97	69.97	68.85	69.67	3265900		DCA	0.66	17.32283465	30151100		
12 D	20160115	69	69.44	68.18	68.88	3964100		DCI	13.42	46.82484299	209073500		
13 D	20160118	68.88	68.88	68.88	68.88	0		DCM	2.25	10.97560976	48031400		
14 D	20160119	69.23	70.06	68.69	69.9	3037000		DCO	9.34	57.58323058	13701600		
15 D	20160120	69.45	69.75	67.94	68.73	3773700		DCT	10.51	28.12416377	218363600		
16 D	20160121	69.05	69.05	67.97	68.49	2268600		DCUC	1.98	4.118136439	21213100		
17 D	20160122	69.14	69.83	68.52	69.76	2171900		DCUD	-0.8	-1.556420233	18748400		
18 D	20160125	69.79	70.14	69.27	69.56	2287300		DD	6.8	10.21021021	857358000		
19 D	20160126	69.58	70.56	69.44	69.72	2075800		DD-A	9.5	12.17948718	353800		
20 D	20160127	69.61	70.12	69.17	69.71	2321010		DD-B	3.2	3.302373581	327700		
21 D	20160128	69.7	71.51	69.43	70.94	3579700		DOC	-0.35	-5.376344086	87305900		
22 D	20160129	71.48	72.2	71.03	72.17	3498500		DDD	4.6	52.93440736	850322300		
23 D	20160201	70.27	71.42	69.94	70.18	1079500		DOE	0.06	6.18556701	6445400		
24 D	20160202	69.24	70.11	68.62	69.89	6008700		DOF	1.16	13.15192744	5107400		
25 D	20160203	70.05	70.42	69.28	69.93	5527600		DOR	-1.57	-9.32304038	74852000		
26 D	20160204	70.07	71.15	69.62	70.43	4016000		DOR-J	-0.48	-1.904761905	4997700		
27 D	20160205	70.34	71.43	69.69	71.06	3758000		DOR-K	-1.27	-5.00760956	4569400		
28 D	20160208	70.13	70.89	69.08	69.49	5627000		DOS	-3.02	-4.59591191	146040700		
29 D	20160209	69.49	70.87	69.15	70.43	60240400		DOT	-0.88	-3.273809524	1713200		
30 D	20160310	70.48	70.41	69.05	70.29	3266500		DS	26.77	10.20000000	8603000		
31 D	20160311	69.95	70.49	69.11	70.21	2868600		DEA	2.84	16.530849883	50281000		
32 D	20160312	69.34	69.64	68.45	68.94	2942500		DECK	8.19	17.35169492	186964100		
33 D	20160315	68.94	68.94	68.94	68.94	0		DEI	5.38	17.25465042	221177000		
34 D	20160316	69.49	69.56	68.56	69.15	2385400		DEL	1.01	30.01557669	10797100		
35 D	20160317	69.46	69.83	68.8	69.77	2583900		DEO	-5.13	-4.703401485	182238100		
36 D	20160318	69.31	70.21	69.19	69.75	6190800		DEX	0.76	8.128342246	17958200		
37 D	20160319	70.45	70.65	70.55	70.55	3435500		DI	-0.6	-16.8010905CS	53535000		
	<ticker>	<date>	<open>	<high>	<low>	<close>	<vol>	Ticker	Yearly Change	Percent Change	Total Stock Volume	Ticker	Value
1 E	20160101	29.8	29.8	29.8	29.8	0		E	2.44	8.187919463	117078300	Greatest Increase	404.411765
2 E	20160104	29.39	29.56	28.89	29.42	4318000		EAB	-3.23	-12.92	6576200	Greatest Decrease	-67.208672
3 E	20160105	29.22	29.28	28.85	29.19	2502000		EAE	-3.65	-14.80129765	2815000	Greatest Volume	4105117800
4 E	20160106	28.38	28.47	28.18	28.47	1999000		EAI	-8.68	-14.80885312	15266500		
5 E	20160107	27.71	28.59	27.7	28.2	395600		EARN	0.66	5.2441296555	9501100		
6 E	20160108	28.07	28.13	27.55	27.55	331500		EAT	1.59	3.295099062	332615500		
7 E	20160111	28.14	28.16	27.41	27.65	325400		EBF	1.59	-9.87012987	40526700		
8 E	20160112	28	28.09	27.39	27.73	662500		EBR	5.5	404.4117647	64003200		
9 E	20160113	27.98	28.25	27.45	27.47	421100		EBR-B	5.3	205.4263556	16496200		
10 E	20160114	28.09	28.85	27.97	28.81	260800		EBS	-1.11	-17.92051987	139423100		
11 E	20160115	27.72	27.93	27.31	27.52	242100		EC	2.04	29.10128388	293810700		
12 E	20160118	27.52	27.52	27.52	27.52	0		ECA	6.65	130.6483301	4105117800		
13 E	20160119	27.6	27.69	27.14	27.37	406700		ECC	0.28	1.704199635	8697500		
14 E	20160120	26.87	27.06	26.22	26.82	478100		ECCA	0.35	1.378495471	975900		
15 E	20160121	26.84	27.55	26.57	27.46	407700		ECCB	0.15	0.592885375	565300		
16 E	20160122	28.44	28.48	28.02	28.44	302700		ECCZ	0.85	3.420523139	2115900		
17 E	20160125	28	28.16	27.44	27.64	419100		ECL	2.84	2.482951565	28447200		
18 E	20160126	28.03	28.62	27.79	28.48	195300		ECON	0.5	3.610108303	30689600		
20 E	20160127	28.23	28.75	28.15	28.36	323000		ECR	0.85	46.7032967	327713100		
21 E	20160128	29.39	29.4	28.47	29	371500		ECT	0.64	42.38410596	15936300		
22 E	20160129	28.9	29.15	28.49	28.95	387000		ED	9.41	14.64135678	508875300		
23 E	20160201	28.58	28.78	28.36	28.75	331400		EDD	0.37	5.441176471	75135600		
24 E	20160202	27.53	27.59	27.06	27.17	269400		EDE	6.02	21.446384773	73595300		
25 E	20160203	27.55	28.18	26.93	28.15	625500		EDF	2.59	21.49377593	23705000		
26 E	20160204	28.43	28.99	28.4	28.65	289400		EDI	2.38	20.93227792	17030100		
27 E	20160205	28.13	28.24	27.82	27.87	252400		EDN	10.32	58.8705077	13321700		
28 E	20160208	27.21	27.25	26.87	27.18	555000		EDR	4.42	11.66842661	180186400		
29 E	20160209	26.58	26.77	26.02	26.22	588700		EDU	10.73	34.20465413	365906100		
30 E	20160210	25.74	26.31	25.64	25.97	493600		EE	8	20.7992078	52999300		
31 E	20160211	25.26	25.5	24.73	25	532300		EEA	-0.34	-4.218362283	3756200		
32 E	20160212	25.78	26.25	25.59	26.18	295000		EEP	2.41	10.446467277	321786400		
33 E	20160215	26.18	26.18	26.18	26.18	0		EQQ	3.57	15.98746082	72358700		
34 E	20160216	26.72	26.72	26.07	26.4	511700		EFC	-1.26	-7.508939213	20598000		
35 E	20160217	26.7	27.5	26.67	27.39	325300		EFF	2.99	21.13074205	7592800		
36 E	20160218	27.13	27.16	26.5	26.5	200800		EFR	2.32	18.69460113	28790000		
37 E	20160219	26.45	26.65	26.29	26.29	451600		EST	-2.46	-17.81076584	21542700		

The screenshot shows an Excel spreadsheet with the following data:

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	<Ticker>	<date>	<open>	<high>	<low>	<close>	<vol>			Ticker	Yearly Change	Percent Change	Total Stock Volume		Ticker	Value				
2	P	20140101	26.6	26.6	26.6	26.6	0			P	-8.71	-32.96992481	2087326500		Greatest Increase	PANW	113.276492			
3	P	20140102	26.46	27.23	26.26	26.76	6227100			PAA	-0.45	-0.869229283	265764400		Greatest Decrease	PWE	-75.119617			
4	P	20140103	26.9	27.69	26.77	27.59	6102100			PAC	+1.99	18.75234874	158569800		Greatest Volume	PBR	7733747800			
5	P	20140106	29.1	32.45	29	31.49	29006500			PACD	-8.81	-59.5113438	143918500							
6	P	20140107	31.22	33.7	31.2	32.44	20493000			PAG	+1.93	4.050042409	88908800							
7	P	20140108	32.66	34.46	32.6	32.7	18484900			PAGP	-8.74	-4.071722077	259521900							
8	P	20140109	32.88	33.47	31.94	32.77	10140000			PAH	+8.22	5.48	173849700							
9	P	20140110	32.84	33.53	32.15	33.47	8242700			PAI	+0.37	2.04855442	5172200							
10	P	20140113	33.36	34.07	32.06	32.53	9779100			PAM	+4.76	91.22137405	56387900							
11	P	20140114	33.25	34.41	32.95	34.13	8840400			PANW	+6.51	113.2764921	452349800							
12	P	20140115	34.39	35.48	34.34	35.05	9958100			PAR	+0.7	12.8440367	5169600							
13	P	20140116	34.99	36.3	34.64	35.74	7323000			PAY	+10.38	38.70246085	405653900							
14	P	20140117	35.74	36.02	34.61	35.12	6073700			PAYC	+8.43	47.09497207	27249800							
15	P	20140120	35.12	35.12	35.12	35.12	0			PB	+0.04	12.66761319	92318300							
16	P	20140121	35.67	35.99	34.54	35.01	5920400			PBA	+1.17	3.34941811	57831200							
17	P	20140122	35.34	35.7	34.47	34.62	4626900			PBF	-0.62	-15.32104259	414276800							
18	P	20140123	34.72	34.87	33.57	34.64	4375000			PBFX	-6.65	-23.75	24815700							
19	P	20140124	34.58	34.58	33.37	33.55	5481100			PBH	+1.08	-3.016750777	87008100							
20	P	20140127	33.85	34.2	32.36	33.12	5644200			PBI	+1.97	4.592274678	555659700							
21	P	20140128	33.55	34.05	33.33	33.94	4065700			PBI-B	+1.15	8.049734369	7698900							
22	P	20140129	33.51	34.2	32.78	32.92	4881300			PBR	-0.64	-47.02467344	7733747800							
23	P	20140130	35.18	37.95	34.8	36.53	13000000			PBR-A	+7.18	-48.40027220	332370500							
24	P	20140131	36.71	36.8	35.6	36.07	6497300			PBT	+0.31	-25.73872473	39823900							
25	P	20140203	36.68	37.73	34.39	34.98	10863900			PBYI	+0.74	82.8157491	99964400							
26	P	20140204	35.97	36.03	34.77	35.8	5768500			PCF	+0.71	-1.815980633	10394000							
27	P	20140205	36	36.3	34.06	35.83	13505600			PCG	+0.72	-32.17477566	76310500							
28	P	20140206	33.18	34	30.93	32.23	28261000			PCI	+0.77	-8.1405653935	142940300							
29	P	20140207	32.35	34.97	32.32	34.34	11234500			PCK	+0.51	5.666666667	14983100							
30	P	20140210	34.04	35.1	33.36	34.75	1070200			PCM	+0.74	-8.583699897	1747500							
31	P	20140211	34.55	35.74	34.15	35.47	6840300			PCN	+0.59	-4.367085698	24848100							
32	P	20140212	35.61	36.41	35.2	35.64	6286600			PCQ	+2.64	-20.29208301	11206000							
33	P	20140213	35.14	36.22	34.9	36.16	7151900			PDI	+1.61	5.526948163	58733900							
34	P	20140214	36.02	36.2	35.64	36.14	6301800			PDM	+0.77	14.04358354	225620300							
35	P	20140217	36.14	36.14	36.14	36.14	0			PDS	-0.71	-35.32550694	57020300							
36	P	20140218	36	38.21	35.97	37.97	11029200			PDT	+1.15	18.53448276	29148600							
37	P	20140219	37.7	40.83	28.83	27.03	5116700				+0.63	-78.42308277	123438600							

Multiple Year Stock Screenshots:

Multiple_year_stock_dataHW

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O19

A B C D E F G H I J K L M N O P Q R S T

1 <ticker> <date> <open> <high> <low> <close> <vol> Ticker Yearly Change Percent Change Total Stock Volume Ticker Volume

2 A 20140101 57.19 57.19 57.19 57.19 0 A -16.25 -28.4140584 527978100 Greatest Increase DM 5581.15942

3 A 20140102 57.1 57.1 56.15 56.21 1916100 AA 15.48 48.54186265 5161412000 Greatest Decrease CBO -95.726496

4 A 20140103 56.39 57.35 56.26 56.92 1866600 AA-B 1.34 2.72856852 21618200 Greatest Volume BAC 2.1595E+10

5 A 20140106 57.4 57.7 56.56 56.64 1777400 AAC 10.92 54.6 9789700

6 A 20140107 56.95 57.63 56.93 57.45 1463200 AAN 1.17 3.979591837 237929300

7 A 20140108 57.33 58.54 57.17 58.39 2659400 AAP 48.6 43.91307224 200376400

8 A 20140109 58.4 58.68 57.87 58.41 1757600 AAT 8.38 26.66242444 40207800

9 A 20140110 58.51 59.01 58.14 58.93 1623300 AAV 0.45 10.36866359 86658700

10 A 20140113 58.77 59.1 58.6 58.93 2946700 AB 4.49 21.04029911 83051600

11 A 20140114 59.16 59.95 59.02 59.88 2562200 ABB 5.41 -20.3689759 466820000

12 A 20140115 59.82 60.37 59.59 60.34 2335100 ABBV 12.63 23.91592501 2303237600

13 A 20140116 60.24 60.5 60.04 60.5 1835900 ABC 19.85 28.23211492 428969000

14 A 20140117 60.83 60.83 60.33 60.71 1699500 ABEV -3.13 -15.37414966 3208014300

15 A 20140120 60.71 60.71 60.71 60.71 0 ABG 22.18 41.27279494 81065600

16 A 20140121 60.69 60.88 59.86 60.85 3008400 ABM 0.06 0.209863589 52403000

17 A 20140122 60.82 61.22 60.71 60.93 2769300 ABR 0.11 1.651651652 28348400

18 A 20140123 60.48 60.51 59.4 59.47 3063500 ABR-A 0.77 3.179190751 1798500

19 A 20140124 59.46 59.46 57.71 57.87 2656800 ABR-B 2.09 9.243697479 1722000

20 A 20140125 57.8 58.47 56.98 58.3 4684000 ABR-C 0.94 3.4036961 1758200

21 A 20140128 58.5 58.88 57.91 58.1 2536200 ABRN 0.49 2.040916327 3451100

22 A 20140129 57.67 58.29 57.41 57.85 2163800 ABT 0.69 17.45369165 15140000

23 A 20140130 58.42 60.11 58.42 59.61 3743100 ABX -8.88 -39.00339024 3085372400

24 A 20140131 58.61 59.15 58.05 58.15 3520000 ACC 9.15 28.40732692 189543400

25 A 20140203 58.15 58.48 56.08 56.15 2923200 ACCO 2.77 34.07793959 232348000

26 A 20140204 56.33 57.89 56.09 57.81 2311800 ACH 2.82 32.4137931 34117500

27 A 20140205 57.58 57.7 56.96 57.43 2283800 ACM 0.94 3.154019708 303393900

28 A 20140206 57.51 58.35 57.46 58.29 1609400 ACN 7.09 8.623206033 705479100

29 A 20140207 58.46 59.47 58.13 59.42 1975200 ACP -2.47 -14.05005688 14206700

30 A 20140210 59.27 59.44 58.29 59.03 1764000 ACRE 1.63 12.366451231 44197000

31 A 20140211 59 60 58.88 59.73 2148200 ACW 0.61 16.35388724 60360500

32 A 20140212 60 60.46 59.67 59.89 2347200 ADC 2.07 7.133011716 16454500

33 A 20140213 59.45 60.38 59.37 60.08 3097000 ADM 8.6 19.815682 889905700

34 A 20140214 57.15 57.77 54.87 55.25 17862700 ADPT 12.24 48.6464865 19722500

35 A 20140217 55.25 55.25 55.25 55.25 0 ADS 23.12 8.793214924 178760600

36 A 20140218 55.38 56.04 54.96 55.15 6553800 ADX 0.61 4.667176741 34090400

37 A 20140219 55.01 56.65 54.9 55.94 4835700 AFB 3.8 19.30994309 7019700

2014

Multiple_year_stock_dataHW

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From HTML From Text New Database Query Refresh All Edit Links Stocks Geogra... Z Sort Filter Advanced Text to Columns Flash Fill Remove Duplicates Data Validation Consolidate What-If Analysis Group Ungroup Subtotal Hide Detail Analysis Tools

Q15

A B C D E F G H I J K L M N O P Q R S T

1 <ticker> <date> <open> <high> <low> <close> <vol> Ticker Yearly Change Percent Change Total Stock Volume Ticker Volume

2 A 20150101 40.94 40.94 40.94 40.94 0 AA 0.87 2.125061065 645319200 Greatest Increase PLNT 1563000000

3 A 20150102 41.18 41.31 40.37 40.56 1530700 AA-B -17.16 -37.4920836 6449104200 Greatest Decrease KMLW -98.591549

4 A 20150105 40.32 40.46 39.7 39.8 2042200 AAB 17.14 -33.97423191 404417000 Greatest Volume BAC 2.1278E+10

5 A 20150106 39.81 40.02 39.02 39.18 2084500 AAC -11.86 -38.35705045 78122300

6 A 20150107 39.52 39.81 39.29 39.7 3355600 AAN -8.18 -26.75825973 179606700

7 A 20150108 40.24 40.98 40.18 40.89 2116300 AAP -8.77 -5.50672122 266930500

8 A 20150109 41 41 40.29 40.59 1644900 AT 1.46 -3.667420246 48158100

9 A 20150112 40.61 40.72 39.95 40.11 2771100 AAV 0.29 6.054279749 30229400

10 A 20150113 40.47 40.7 39.33 39.55 2031400 AB 1.08 -7.665505226 71403800

11 A 20150114 39.03 39.1 38.21 39.06 5134000 ABB -3.42 -16.1701277 532805500

12 A 20150115 39.33 39.41 37.99 38.01 2630200 ABBV -6.2 -9.474327628 2643021600

13 A 20150116 37.86 38.46 37.76 38.25 3003900 ABC 13.55 15.02883762 516218400

14 A 20150119 38.25 38.25 38.25 38.25 0 ABEV -1.76 -28.29581994 3915345800

15 A 20150120 38.43 38.66 37.76 37.93 5033600 ABG -8.48 -11.16965227 82930400

16 A 20150121 37.75 38.41 37.68 38.16 2721600 ABM -0.18 -0.62827251 72539400

17 A 20150122 38.51 39.86 38.12 39.65 4856500 ABR 0.38 5.612998523 37916900

18 A 20150123 39.6 39.6 38.76 38.81 1519200 ABR-A -0.49 -1.960784314 1243100

19 A 20150126 38.79 39.17 38.47 39.15 1511200 ABR-B -2.14 -8.663967611 1022000

20 A 20150127 38.7 39.25 38.58 38.75 1703500 ABR-C -0.12 -0.474495848 634000

21 A 20150128 39.01 39.05 37.96 38 2033500 ABRN 0.1 0.0408163265 2109900

22 A 20150129 38 38.47 37.69 38.46 2329900 ABT -0.11 -0.244335851 1469310700

23 A 20150130 38.01 38.32 37.71 37.77 3054300 ABX -3.37 -31.34883721 4289215100

24 A 20150202 37.9 38.76 37.71 38.69 2508400 AC 1 3.389830508 437700

25 A 20150203 39.04 39.63 38.92 39.62 2950300 ACC -0.02 -0.048355899 228980000

26 A 20150204 39.33 39.46 38.82 39.11 2567400 ACCO -1.88 -20.86570477 167330800

27 A 20150205 39.22 39.82 39.22 39.53 1826300 ACH -3.28 -28.47222222 35801000

28 A 20150206 39.54 39.81 39.23 39.34 2697200 ACM -0.34 -1.119525848 362299600

29 A 20150209 39.23 39.43 38.95 39.04 3586100 ACN 15.19 17.00817378 625655000

30 A 20150210 39.31 39.76 38.78 39.67 1408700 ACP -3.76 -24.88418266 14348400

31 A 20150211 39.64 39.81 39.23 39.33 3337000 ACRE -0.04 -0.348432056 39118800

32 A 20150212 39.58 40.06 39.53 40.02 1317700 ACV -6.79 -27.21442886 11539300

33 A 20150213 39.97 40.31 39.91 40.15 2211900 ACW -2.68 -61.75115207 46092000

34 A 20150216 40.15 40.15 40.15 40.15 0 ADC 2.9 9.32775812 27995400

35 A 20150217 40.01 40.53 39.76 40.52 2875700 ADM -15.32 -29.46153846 998224500

36 A 20150218 41.12 42.2 40.91 41.54 9007200 ADPT 17.12 45.77540107 82504100

37 A 20150219 41.4 41.57 41.04 41.15 3737300 ADS -9.48 -3.314105926 108101200

2015

Multiple_year_stock_dataHW

The screenshot shows a Microsoft Excel spreadsheet titled "Multiple_year_stock_dataHW". The data is structured into multiple years (2010-2016) and months (January to December). Each row contains a date, a stock ticker, and various financial metrics like open, close, and volume. The "Data" tab is selected in the ribbon. The "Analysis Tools" button is visible in the ribbon's bottom right corner.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	<ticker>	<date>	<open>	<high>	<low>	<clos>	<vol>			Ticker	Yearly Change	Percent Change	Total Stock Volume		Ticker	Volume				
2	A	20160101	41.81	41.81	41.81	41.81	0			A	3.75	8.969146137	528576200		SD	11675				
3	A	20160104	41.06	41.19	40.34	40.69	3287300			AA	-1.53	-5.167173252	5208239000		Greatest Increase					
4	A	20160105	40.73	40.95	40.34	40.55	2587200			AAC	-11.82	-62.01469045	57179800		Greatest Decrease	DYN.W	-91.489362			
5	A	20160106	40.24	40.99	40.05	40.73	2103600			AAN	9.6	42.87628406	184809000		Greatest Volume	BAC	2.7429E+10			
6	A	20160107	40.14	40.15	38.81	39	3504300			AAP	18.61	12.36462694	262665300							
7	A	20160108	39.22	39.71	38.47	38.59	3736700			AT	4.73	12.33376793	49026400							
8	A	20160111	38.71	38.9	37.41	37.94	2818600			AAV	1.67	32.87401575	27358200							
9	A	20160112	38.43	38.58	37.65	38.19	1989300			AB	-0.4	-1.677148847	64736300							
10	A	20160113	38.35	38.47	36.72	36.86	4206600			ABB	3.34	18.83812747	503779400							
11	A	20160114	36.94	37.88	36.55	37.61	2893300			ABBV	3.38	5.705604321	2034231800							
12	A	20160115	36.67	37.56	36.55	37.11	2994300			ABC	-25.52	-24.60707743	647239900							
13	A	20160118	37.11	37.11	37.11	37.11	0			ABEV	0.45	10.0896861	4199335100							
14	A	20160119	37.64	37.92	36.79	37.2	2506500			ABG	-5.74	-8.511269276	89828200							
15	A	20160120	36.68	37.61	36.13	37.26	2469000			ABM	12.37	43.44924482	79787400							
16	A	20160121	37.35	37.83	36.81	37.23	2298300			ABR	0.31	4.3356464336	27556100							
17	A	20160122	37.91	38.18	37.58	37.98	1834400			ABR-A	0.57	2.326530612	792500							
18	A	20160123	37.4	38.03	37.4	37.61	1831200			ABR-B	2.02	8.953900709	795300							
19	A	20160126	37.88	37.96	37.36	37.51	1759500			ABR-C	0.18	0.715137068	521300							
20	A	20160127	37.39	37.92	36.91	37.05	1840400			ABRN	0.77	2.88528455	1759800							
21	A	20160128	37.27	37.27	36.01	36.21	3479400			ABT	-5.5	-14.47339123	229809600							
22	A	20160129	36.24	37.49	36.31	37.65	2935800			ABX	8.6	16.53391655	4296593800							
23	A	20160201	37.37	37.95	37	37.69	2666500			AC	2.35	7.70518033	6530000							
24	A	20160202	37.18	37.55	36.95	37.07	2743300			ACC	8.43	20.3918732	25457600							
25	A	20160203	37.27	37.36	36.29	37.19	2128400			ACCO	5.52	83.02945302	163653100							
26	A	20160204	37.15	37.79	36.97	37.42	2833400			ACI	1.97	23.90776699	11563400							
27	A	20160205	37.26	37.31	35.83	36.04	4424600			ACM	6.33	21.07921109	296759000							
28	A	20160208	35.61	35.79	34.39	34.8	3886600			ACN	12.63	12.0861244	60155300							
29	A	20160209	34.21	35.77	34.15	35.37	3464400			ACP	2.08	18.32599119	21179200							
30	A	20160210	35.63	36.73	35.53	35.85	3169000			ACRE	3.39	20.02148052	35062000							
31	A	20160211	35.12	35.61	34.94	35.33	3224000			ACV	0.62	3.414096916	12734300							
32	A	20160212	35.84	36.23	35.52	36.22	3923500			ADC	12.06	35.48102383	51965400							
33	A	20160215	36.22	36.22	36.22	36.22	0			ADM	8.97	24.454747373	900133500							
34	A	20160216	36.72	37.17	36.4	37.08	2903600			ADNT	11.6	24.68085106	101270800							
35	A	20160217	35.22	38.13	34.75	37.87	5382300			ADPT	-46.88	-85.98679384	181359500							
36	A	20160218	37.73	37.96	37.09	37.19	2231400			ADS	-48.07	-17.38077159	198897100							
37	A	20160219	30.95	37.6	30.85	37.44	7135400			AVSW	-1.77	6.3507435907	15703700							

(couldn't save the file to submit it)