

TABLE 1

Linear Regression

Regression Statistics

R	0.63576
R-square	0.40419
Adjusted R-square	0.36771
S	2.93201
N	157

$$\text{Annual salary} = -3.98784 - 0.45614 * \text{Sex} + 0.69742 * \text{Age} + 1.20603 * \text{Marital Status} + 0.45407 * \text{Education} + 0.08866 * \text{M Education} + 0.07812 * \text{F Education} + 0.0911 * \text{Kids} + 1.1216 * \text{Housing status} + 0.2417 * \text{Housing expense}$$

ANOVA

	d.f.	SS	MS	F	p-level
Regression	9.	857.26973	95.25219	11.08012	0
Residual	147.	1,263.71116	8.59667		
Total	156.	2,120.98089			

	Coefficient	Standard Error	LCL	UCL	t Stat	p-level	H0 (5%)
Intercept	-3.98784	1.93467	-7.81119	-0.16448	-2.06125	0.04104	rejected
Sex	-0.45614	0.69469	-1.82902	0.91673	-0.65661	0.51246	accepted
Age	0.69742	0.24508	0.21307	1.18176	2.84562	0.00507	rejected
Marital Status	1.20603	0.54006	0.13874	2.27331	2.23313	0.02705	rejected
Education	0.45407	0.16192	0.13407	0.77407	2.80422	0.00573	rejected
M Education	0.08866	0.14221	-0.19239	0.3697	0.6234	0.53399	accepted
F Education	0.07812	0.12247	-0.16391	0.32016	0.63788	0.52455	accepted
Kids	0.0911	0.19724	-0.29868	0.48089	0.46189	0.64484	accepted
Housing status	1.1216	0.5841	-0.03271	2.27591	1.92023	0.05677	accepted
Housing expense	0.2417	0.04566	0.15146	0.33194	5.29334	4.28734E-7	rejected
T (5%)		1.97623					

LCL - Lower value of a reliable interval (LCL)

UCL - Upper value of a reliable interval (UCL)

Residuals

Observation	Annual salary	Predicted Y	Residual	Standardized [Excel]	Studentized	Deleted t	Leverage	Cook's D	DFIT	PRESS
1	5.	8.98137	-3.98137	-1.39885	-1.39542	-1.39996	0.05305	0.01091	-0.33136	-4.20441
2	12.	7.73365	4.26635	1.49898	1.5273	1.53432	0.09232	0.02372	0.48932	4.70026
3	13.	15.39276	-2.39276	-0.84069	-0.88623	-0.88558	0.15204	0.01408	-0.375	-2.8218
4	13.	9.47666	3.52334	1.23792	1.27224	1.27494	0.10784	0.01956	0.44325	3.94921
5	10.	6.31346	3.68654	1.29526	1.31349	1.31676	0.08366	0.01575	0.39787	4.02311
6	5.	6.0211	-1.0211	-0.35876	-0.36453	-0.36346	0.0873	0.00127	-0.1124	-1.11876
7	14.	14.50707	-0.50707	-0.17816	-0.1809	-0.1803	0.08606	0.00031	-0.05533	-0.55481
8	3.	6.41563	-3.41563	-1.20008	-1.18377	-1.1854	0.03155	0.00457	-0.21395	-3.5269
9	4.	5.49026	-1.49026	-0.5236	-0.5178	-0.5165	0.03644	0.00101	-0.10045	-1.54663
10	5.	4.62985	0.37015	0.13005	0.13226	0.13182	0.08895	0.00017	0.04119	0.40629
11	3.	4.25383	-1.25383	-0.44053	-0.44466	-0.44344	0.07511	0.00161	-0.12637	-1.35565
12	7.	5.40703	1.59297	0.55969	0.55326	0.55195	0.03565	0.00113	0.10612	1.65186
13	20.	8.38216	11.61784	4.08191	4.19279	4.45325	0.10687	0.21035	1.54045	13.008
14	9.	7.80572	1.19428	0.41961	0.4172	0.41603	0.04679	0.00085	0.09217	1.25291
15	8.	9.01216	-1.01216	-0.35562	-0.36125	-0.36018	0.08683	0.00124	-0.11106	-1.1084

16	6.	6.82587	-0.82587	-0.29017	-0.28806	-0.28716	0.04388	0.00038	-0.06152	-0.86377
17	6.	8.21561	-2.21561	-0.77845	-0.77349	-0.77243	0.04557	0.00286	-0.16879	-2.3214
18	9.	8.01207	0.98793	0.34711	0.34873	0.34768	0.06642	0.00087	0.09274	1.05822
19	10.	9.76034	0.23966	0.0842	0.08338	0.0831	0.03907	0.00003	0.01676	0.24941
20	12.	9.8797	2.1203	0.74497	0.76557	0.76448	0.10773	0.00708	0.26563	2.37629
21	2.	4.21538	-2.21538	-0.77837	-0.7958	-0.7948	0.09851	0.00692	-0.26273	-2.45746
22	3.	5.79713	-2.79713	-0.98277	-0.98183	-0.98171	0.05588	0.00571	-0.23884	-2.9627
23	6.	6.2566	-0.2566	-0.09016	-0.09038	-0.09007	0.06227	0.00005	-0.02321	-0.27364
24	5.	8.39115	-3.39115	-1.19148	-1.20048	-1.2023	0.07178	0.01114	-0.33433	-3.65338
25	6.	3.48733	2.51267	0.88282	0.88277	0.8821	0.05758	0.00476	0.21804	2.66619
26	5.	5.8612	-0.8612	-0.30258	-0.3016	-0.30066	0.05154	0.00049	-0.07009	-0.90799
27	15.	9.89702	5.10298	1.79293	1.92069	1.93862	0.17889	0.08037	0.90486	6.2147
28	5.	11.07631	-6.07631	-2.1349	-2.11977	-2.1456	0.04419	0.02077	-0.46134	-6.35724
29	9.	8.70391	0.29609	0.10403	0.1061	0.10574	0.09404	0.00012	0.03407	0.32683
30	8.	5.18004	2.81996	0.99079	0.98368	0.98357	0.04402	0.00446	0.21106	2.94981
31	7.	8.22135	-1.22135	-0.42912	-0.42745	-0.42625	0.0503	0.00097	-0.0981	-1.28604
32	11.	9.87686	1.12314	0.39461	0.39376	0.39263	0.05361	0.00088	0.09344	1.18675
33	11.	6.93544	4.06456	1.42808	1.42957	1.4347	0.05966	0.01297	0.36137	4.32242
34	27.	16.65134	10.34866	3.63599	3.92164	4.1303	0.18997	0.36067	2.00018	12.7756
35	4.	6.6954	-2.6954	-0.94703	-0.95147	-0.95116	0.06647	0.00645	-0.2538	-2.88732
36	7.	5.28536	1.71464	0.60244	0.60655	0.60524	0.07043	0.00279	0.1666	1.84456
37	11.	9.42261	1.57739	0.55421	0.54585	0.54454	0.02859	0.00088	0.09342	1.62381
38	3.	1.98549	1.01451	0.35645	0.36547	0.36439	0.10364	0.00154	0.1239	1.13181
39	11.	12.30405	-1.30405	-0.45818	-0.45775	-0.45651	0.05593	0.00124	-0.11111	-1.3813
40	7.	4.32264	2.67736	0.94069	0.95876	0.9585	0.09289	0.00941	0.30673	2.95153
41	5.	6.80305	-1.80305	-0.6335	-0.62985	-0.62856	0.04676	0.00195	-0.13921	-1.89149
42	6.	5.64873	0.35127	0.12342	0.12189	0.12148	0.0339	0.00005	0.02276	0.3636
43	13.	12.14244	0.85756	0.3013	0.30736	0.30641	0.09444	0.00099	0.09895	0.947
44	5.	2.20403	2.79597	0.98236	0.99232	0.99227	0.07652	0.00816	0.28562	3.02764
45	6.	8.03075	-2.03075	-0.7135	-0.70799	-0.70679	0.04297	0.00225	-0.14976	-2.12193
46	5.	9.1083	-4.1083	-1.44345	-1.42483	-1.42988	0.03291	0.00691	-0.26377	-4.2481
47	15.	8.01456	6.98544	2.45433	2.44821	2.49118	0.05298	0.03353	0.58922	7.37622
48	4.	5.46265	-1.46265	-0.5139	-0.5169	-0.51561	0.06859	0.00197	-0.13992	-1.57036
49	13.	9.21256	3.78744	1.33071	1.30874	1.31195	0.02579	0.00453	0.21345	3.8877
50	14.	11.48128	2.51872	0.88495	0.87557	0.87488	0.03741	0.00298	0.17246	2.61659
51	5.	5.10116	-0.10116	-0.03554	-0.03509	-0.03497	0.033	4.20055E-6	-0.00646	-0.10461
52	5.	6.06886	-1.06886	-0.37554	-0.3724	-0.3713	0.04171	0.0006	-0.07746	-1.11538
53	9.	8.09515	0.90485	0.31792	0.31254	0.31158	0.02496	0.00025	0.04986	0.92802
54	4.	6.74047	-2.74047	-0.96286	-0.96159	-0.96134	0.05519	0.0054	-0.23234	-2.90055
55	9.	5.86867	3.13133	1.10019	1.1349	1.13602	0.11446	0.01665	0.40841	3.53605
56	7.	7.61023	-0.61023	-0.21441	-0.21559	-0.21489	0.06805	0.00034	-0.05807	-0.65479
57	3.	5.86315	-2.86315	-1.00596	-0.99958	-0.99957	0.04561	0.00478	-0.21852	-2.99998
58	4.	5.20714	-1.20714	-0.42413	-0.43301	-0.43181	0.09595	0.00199	-0.14067	-1.33525
59	2.	2.95683	-0.95683	-0.33618	-0.3392	-0.33817	0.07439	0.00092	-0.09587	-1.03372
60	7.	8.95049	-1.95049	-0.6853	-0.67795	-0.67669	0.03713	0.00177	-0.13288	-2.0257
61	5.	8.31276	-3.31276	-1.16393	-1.15904	-1.16041	0.04972	0.00703	-0.26544	-3.4861
62	4.	5.62518	-1.62518	-0.57101	-0.56493	-0.56362	0.03732	0.00124	-0.11097	-1.68818
63	7.	9.40528	-2.40528	-0.84509	-0.84943	-0.84863	0.0673	0.00521	-0.22796	-2.57884
64	3.	4.93442	-1.93442	-0.67966	-0.69208	-0.69085	0.09123	0.00481	-0.21889	-2.12861

65	12.	7.52543	4.47457	1.57213	1.58067	1.58885	0.06785	0.01819	0.42866	4.80026
66	10.	8.33053	1.66947	0.58657	0.58917	0.58786	0.06601	0.00245	0.15628	1.78746
67	7.	6.41214	0.58786	0.20655	0.20611	0.20544	0.05371	0.00024	0.04895	0.62123
68	8.	7.40207	0.59793	0.21008	0.20838	0.2077	0.04225	0.00019	0.04362	0.6243
69	5.	4.6577	0.3423	0.12027	0.1202	0.1198	0.05667	0.00009	0.02936	0.36287
70	6.	6.65496	-0.65496	-0.23012	-0.22835	-0.22761	0.04305	0.00023	-0.04827	-0.68442
71	9.	11.86362	-2.86362	-1.00613	-1.02245	-1.02261	0.08754	0.01003	-0.31673	-3.13833
72	10.	9.0294	0.9706	0.34102	0.34496	0.34393	0.07912	0.00102	0.10081	1.05399
73	8.	10.48958	-2.48958	-0.87471	-0.88702	-0.88637	0.08366	0.00718	-0.26783	-2.71688
74	8.	10.00385	-2.00385	-0.70405	-0.72248	-0.7213	0.10517	0.00613	-0.24728	-2.23935
75	4.	6.34206	-2.34206	-0.82288	-0.81825	-0.81733	0.04701	0.0033	-0.18152	-2.45758
76	11.	9.84091	1.15909	0.40724	0.4048	0.40365	0.04627	0.0008	0.08891	1.21533
77	9.	10.43004	-1.43004	-0.50244	-0.50927	-0.50799	0.0828	0.00234	-0.15263	-1.55914
78	12.	9.69103	2.30897	0.81125	0.80492	0.80395	0.0428	0.0029	0.17001	2.41223
79	17.	9.8375	7.1625	2.51654	2.46999	2.5143	0.02184	0.01362	0.3757	7.32243
80	7.	8.32434	-1.32434	-0.4653	-0.48519	-0.48393	0.13337	0.00362	-0.18984	-1.52815
81	5.	6.12228	-1.12228	-0.39431	-0.39979	-0.39864	0.08332	0.00145	-0.12019	-1.22429
82	6.	11.15256	-5.15256	-1.81035	-1.78431	-1.79781	0.02999	0.00984	-0.31612	-5.31187
83	5.	10.06377	-5.06377	-1.77915	-1.772	-1.78513	0.05008	0.01655	-0.40987	-5.33071
84	6.	7.35311	-1.35311	-0.47541	-0.46863	-0.46738	0.03023	0.00068	-0.08252	-1.39528
85	5.	5.24758	-0.24758	-0.08699	-0.08591	-0.08562	0.03402	0.00003	-0.01607	-0.2563
86	11.	8.00254	2.99746	1.05315	1.04748	1.04783	0.04745	0.00547	0.23386	3.14678
87	12.	8.77975	3.22025	1.13143	1.15369	1.155	0.09371	0.01376	0.37139	3.55321
88	3.	5.0738	-2.0738	-0.72863	-0.72692	-0.72575	0.05327	0.00297	-0.17216	-2.19049
89	12.	12.17723	-0.17723	-0.06227	-0.06238	-0.06217	0.06103	0.00003	-0.01585	-0.18875
90	7.	8.72929	-1.72929	-0.60758	-0.60068	-0.59937	0.03593	0.00134	-0.1157	-1.79373
91	4.	4.54069	-0.54069	-0.18997	-0.1888	-0.18818	0.04595	0.00017	-0.0413	-0.56673
92	3.	3.79605	-0.79605	-0.27969	-0.27863	-0.27776	0.05052	0.00041	-0.06407	-0.8384
93	6.	4.72432	1.27568	0.44821	0.44802	0.4468	0.0569	0.00121	0.10974	1.35264
94	4.	3.57653	0.42347	0.14879	0.1495	0.149	0.06662	0.00016	0.03981	0.4537
95	8.	7.65544	0.34456	0.12106	0.12361	0.1232	0.09616	0.00016	0.04018	0.38122
96	5.	8.3425	-3.3425	-1.17438	-1.16565	-1.16708	0.04352	0.00618	-0.24895	-3.49459
97	6.	8.85748	-2.85748	-1.00397	-1.02309	-1.02326	0.09258	0.01068	-0.32685	-3.14903
98	6.	7.21057	-1.21057	-0.42533	-0.42991	-0.42871	0.07765	0.00156	-0.12439	-1.31248
99	10.	9.20436	0.79564	0.27955	0.27963	0.27875	0.05824	0.00048	0.06932	0.84484
100	3.	5.63887	-2.63887	-0.92716	-0.93917	-0.93879	0.08163	0.00784	-0.27989	-2.87343
101	9.	7.74611	1.25389	0.44055	0.44339	0.44218	0.06972	0.00147	0.12105	1.34787
102	8.	5.60318	2.39682	0.84212	0.84008	0.83923	0.05311	0.00396	0.19875	2.53125
103	3.	4.72753	-1.72753	-0.60697	-0.61096	-0.60965	0.06997	0.00281	-0.16722	-1.8575
104	10.	7.96187	2.03813	0.7161	0.70461	0.7034	0.02672	0.00136	0.11654	2.09408
105	6.	7.66541	-1.66541	-0.58514	-0.58205	-0.58074	0.04767	0.0017	-0.12993	-1.74878
106	9.	10.16878	-1.16878	-0.41065	-0.41147	-0.41031	0.06147	0.00111	-0.105	-1.24532
107	5.	7.08104	-2.08104	-0.73117	-0.73702	-0.73587	0.0726	0.00425	-0.20589	-2.24395
108	7.	7.35875	-0.35875	-0.12605	-0.12507	-0.12465	0.04284	0.00007	-0.02637	-0.37481
109	13.	8.31992	4.68008	1.64434	1.61888	1.62794	0.02782	0.0075	0.2754	4.81402
110	8.	6.93963	1.06037	0.37256	0.37183	0.37073	0.05398	0.00079	0.08855	1.12087
111	6.	4.35517	1.64483	0.57791	0.57568	0.57436	0.05037	0.00176	0.13228	1.73208
112	8.	9.97903	-1.97903	-0.69533	-0.68649	-0.68525	0.03326	0.00162	-0.12711	-2.04713
113	8.	7.83232	0.16768	0.05891	0.05863	0.05843	0.04851	0.00002	0.01319	0.17623

114	4.	7.4661	-3.4661	-1.21781	-1.20406	-1.20592	0.03606	0.00542	-0.23323	-3.59575
115	11.	5.80868	5.19132	1.82396	1.81525	1.82968	0.04862	0.01684	0.41363	5.45662
116	3.	7.73103	-4.73103	-1.66224	-1.68938	-1.70021	0.08773	0.02745	-0.52724	-5.18598
117	10.	5.52436	4.47564	1.57251	1.58767	1.59601	0.0756	0.02062	0.45643	4.84169
118	5.	7.28458	-2.28458	-0.80269	-0.79622	-0.79522	0.04233	0.0028	-0.16718	-2.38555
119	8.	6.73195	1.26805	0.44553	0.45002	0.44879	0.0764	0.00168	0.12908	1.37294
120	4.	7.85501	-3.85501	-1.35445	-1.38175	-1.38607	0.09456	0.01994	-0.44792	-4.2576
121	8.	7.86592	0.13408	0.04711	0.04686	0.0467	0.04756	0.00001	0.01044	0.14077
122	13.	8.37648	4.62352	1.62447	1.66455	1.67474	0.10253	0.03165	0.56606	5.15172
123	5.	6.47167	-1.47167	-0.51707	-0.52273	-0.52143	0.07799	0.00231	-0.15165	-1.59615
124	7.	8.72929	-1.72929	-0.60758	-0.60068	-0.59937	0.03593	0.00134	-0.1157	-1.79373
125	4.	4.54069	-0.54069	-0.18997	-0.1888	-0.18818	0.04595	0.00017	-0.0413	-0.56673
126	3.	3.79605	-0.79605	-0.27969	-0.27863	-0.27776	0.05052	0.00041	-0.06407	-0.8384
127	6.	4.72432	1.27568	0.44821	0.44802	0.4468	0.0569	0.00121	0.10974	1.35264
128	4.	3.57653	0.42347	0.14879	0.1495	0.149	0.06662	0.00016	0.03981	0.4537
129	8.	7.65544	0.34456	0.12106	0.12361	0.1232	0.09616	0.00016	0.04018	0.38122
130	5.	8.3425	-3.3425	-1.17438	-1.16565	-1.16708	0.04352	0.00618	-0.24895	-3.49459
131	6.	8.85748	-2.85748	-1.00397	-1.02309	-1.02326	0.09258	0.01068	-0.32685	-3.14903
132	6.	7.21057	-1.21057	-0.42533	-0.42991	-0.42871	0.07765	0.00156	-0.12439	-1.31248
133	10.	9.20436	0.79564	0.27955	0.27963	0.27875	0.05824	0.00048	0.06932	0.84484
134	3.	5.63887	-2.63887	-0.92716	-0.93917	-0.93879	0.08163	0.00784	-0.27989	-2.87343
135	9.	7.74611	1.25389	0.44055	0.44339	0.44218	0.06972	0.00147	0.12105	1.34787
136	8.	5.60318	2.39682	0.84212	0.84008	0.83923	0.05311	0.00396	0.19875	2.53125
137	3.	4.72753	-1.72753	-0.60697	-0.61096	-0.60965	0.06997	0.00281	-0.16722	-1.8575
138	10.	7.96187	2.03813	0.7161	0.70461	0.7034	0.02672	0.00136	0.11654	2.09408
139	6.	7.66541	-1.66541	-0.58514	-0.58205	-0.58074	0.04767	0.0017	-0.12993	-1.74878
140	9.	10.16878	-1.16878	-0.41065	-0.41147	-0.41031	0.06147	0.00111	-0.105	-1.24532
141	5.	7.08104	-2.08104	-0.73117	-0.73702	-0.73587	0.0726	0.00425	-0.20589	-2.24395
142	7.	7.35875	-0.35875	-0.12605	-0.12507	-0.12465	0.04284	0.00007	-0.02637	-0.37481
143	13.	8.31992	4.68008	1.64434	1.61888	1.62794	0.02782	0.0075	0.2754	4.81402
144	8.	6.93963	1.06037	0.37256	0.37183	0.37073	0.05398	0.00079	0.08855	1.12087
145	6.	4.35517	1.64483	0.57791	0.57568	0.57436	0.05037	0.00176	0.13228	1.73208
146	8.	9.97903	-1.97903	-0.69533	-0.68649	-0.68525	0.03326	0.00162	-0.12711	-2.04713
147	8.	7.83232	0.16768	0.05891	0.05863	0.05843	0.04851	0.00002	0.01319	0.17623
148	4.	7.4661	-3.4661	-1.21781	-1.20406	-1.20592	0.03606	0.00542	-0.23323	-3.59575
149	11.	5.80868	5.19132	1.82396	1.81525	1.82968	0.04862	0.01684	0.41363	5.45662
150	3.	7.73103	-4.73103	-1.66224	-1.68938	-1.70021	0.08773	0.02745	-0.52724	-5.18598
151	10.	5.52436	4.47564	1.57251	1.58767	1.59601	0.0756	0.02062	0.45643	4.84169
152	5.	7.28458	-2.28458	-0.80269	-0.79622	-0.79522	0.04233	0.0028	-0.16718	-2.38555
153	8.	6.73195	1.26805	0.44553	0.45002	0.44879	0.0764	0.00168	0.12908	1.37294
154	4.	7.85501	-3.85501	-1.35445	-1.38175	-1.38607	0.09456	0.01994	-0.44792	-4.2576
155	8.	7.86592	0.13408	0.04711	0.04686	0.0467	0.04756	0.00001	0.01044	0.14077
156	13.	8.37648	4.62352	1.62447	1.66455	1.67474	0.10253	0.03165	0.56606	5.15172
157	5.	6.47167	-1.47167	-0.51707	-0.52273	-0.52143	0.07799	0.00231	-0.15165	-1.59615
<i>Minimum</i>	2.	1.98549	-6.07631	-2.1349	-2.11977	-2.1456	0.02184	4.20055E-6	-0.52724	-6.35724
<i>Maximum</i>	27.	16.65134	11.61784	4.08191	4.19279	4.45325	0.18997	0.36067	2.00018	13.008
<i>Mean</i>	7.4586	7.4586	0.	0.	0.00311	0.00698	0.06369	0.00931	0.01238	0.01942

