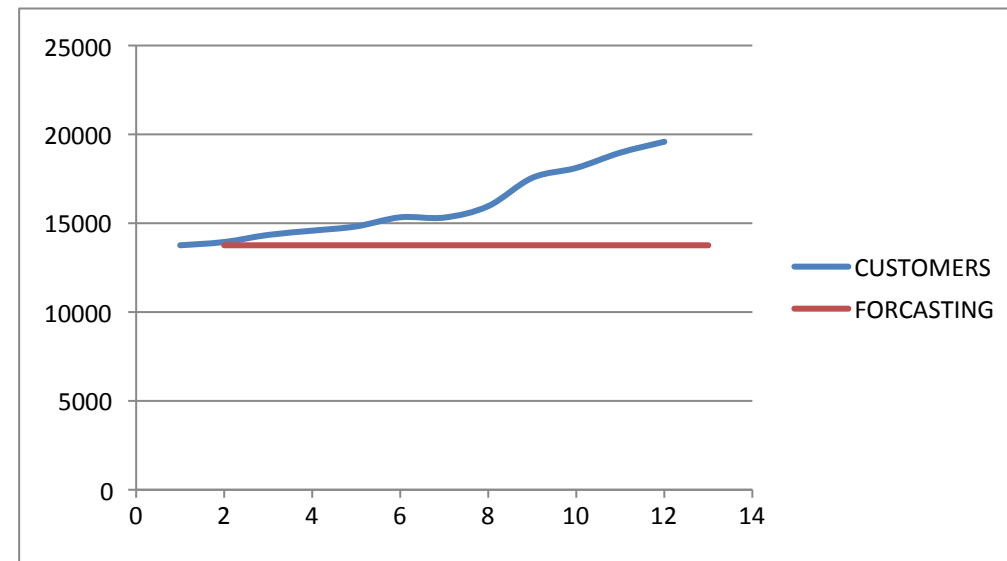
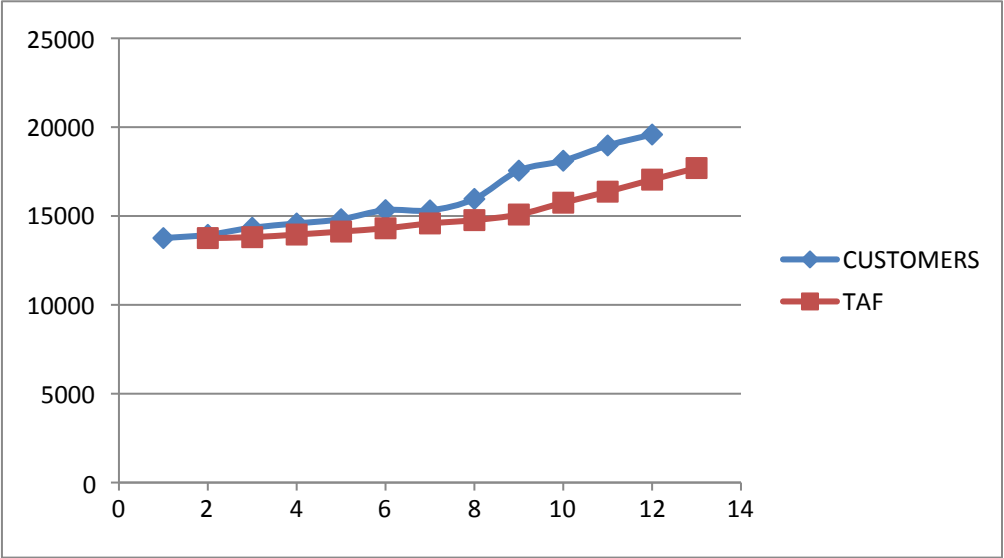


WEEK	CUSTOMERS	FORCASTING	Error	Abs. Error	Error ²	Error%
1	13758					
2	13941	13758	183	183	33489	1%
3	14342	13758	584	584	341056	4%
4	14580	13758	822	822	675684	6%
5	14820	13758	1062	1062	1127844	7%
6	15333	13758	1575	1575	2480625	10%
7	15317	13758	1559	1559	2430481	10%
8	15962	13758	2204	2204	4857616	14%
9	17554	13758	3796	3796	14409616	22%
10	18111	13758	4353	4353	18948609	24%
11	18970	13758	5212	5212	27164944	27%
12	19585	13758	5827	5827	33953929	30%
13		13758		MAD	MSE	MAPE
				2470.63636	9674899.364	14%



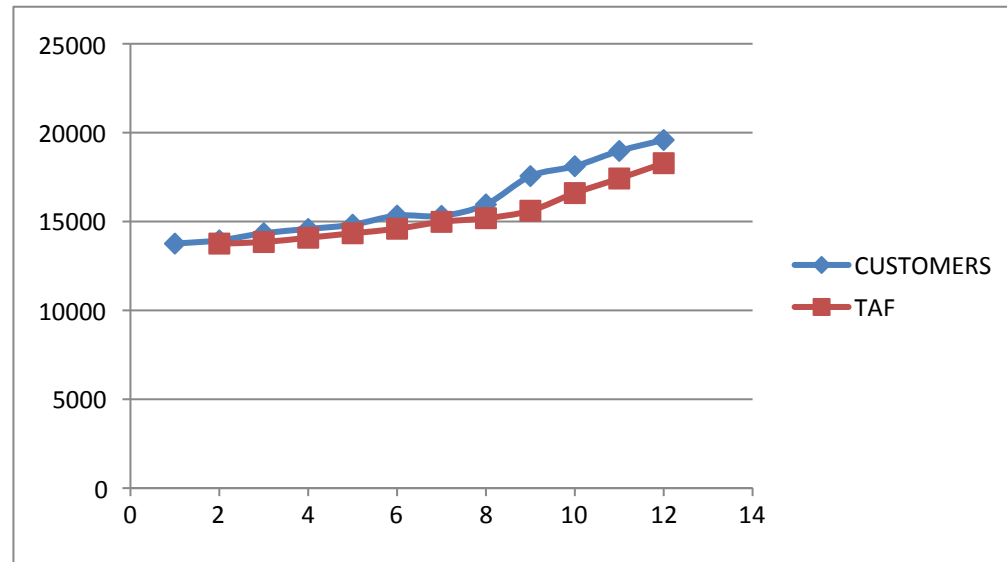
WEEK	CUSTOMERS	Exponential Smoothing	Trend Adjustment	TAF	Error	Abs. Error	Error ²	Error%
1	13758							
2	13941	13758	0	13758	183	183	33489	1%
3	14342	13794.6	14.64	13809.24	547.4	547.4	299646.76	4%
4	14580	13904.08	52.576	13956.656	675.92	675.92	456867.8464	5%
5	14820	14039.264	85.6192	14124.8832	780.736	780.736	609548.7017	5%
6	15333	14195.4112	113.8304	14309.2416	1137.5888	1137.5888	1294108.278	7%
7	15317	14422.92896	159.305344	14582.2343	894.07104	894.07104	799363.0246	6%
8	15962	14601.74317	167.1088896	14768.85206	1360.25683	1360.256832	1850298.649	9%
9	17554	14873.79453	209.0858803	15082.88041	2680.20547	2680.205466	7183501.338	15%
10	18111	15409.83563	339.8679654	15749.70359	2701.16437	2701.164372	7296288.967	15%
11	18970	15950.0685	420.0139291	16370.08243	3019.9315	3019.931498	9119986.253	16%
12	19585	16554.0548	493.6028773	17047.65768	3030.9452	3030.945198	9186628.796	15%
13		17160.24384	538.6373422	17698.88118		MAD	MSE	MAPE
						1546.474473	3466338.874	9%

alpha 0.2
beta 0.4



WEEK	CUSTOMERS	Exponential Smoothing	Trend Adjustment	TAF	Error	Abs. Error	Error ²	Error%
1	13758							
2	13941	13758	0	13758	183	183	33489	1%
3	14342	13831.2	14.64	13845.84	510.8	510.8	260916.64	4%
4	14580	14035.52	52.576	14088.096	544.48	544.48	296458.4704	4%
5	14820	14253.312	85.6192	14338.9312	566.688	566.688	321135.2893	4%
6	15333	14479.9872	113.8304	14593.8176	853.0128	853.0128	727630.837	6%
7	15317	14821.19232	159.305344	14980.49766	495.80768	495.80768	245825.2555	3%
8	15962	15019.51539	167.1088896	15186.62428	942.484608	942.484608	888277.2363	6%
9	17554	15396.50924	209.0858803	15605.59512	2157.490765	2157.490765	4654766.4	12%
10	18111	16259.50554	339.8679654	16599.37351	1851.494459	1851.494459	3428031.731	10%
11	18970	17000.10332	420.0139291	17420.11725	1969.896675	1969.896675	3880492.911	10%
12	19585	17788.06199	493.6028773	18281.66487	1796.938005	1796.938005	3228986.195	9%
13		18506.8372	538.6373422	19045.47454		MAD	MSE	MAPE
						1079.281181	1633273.633	6%

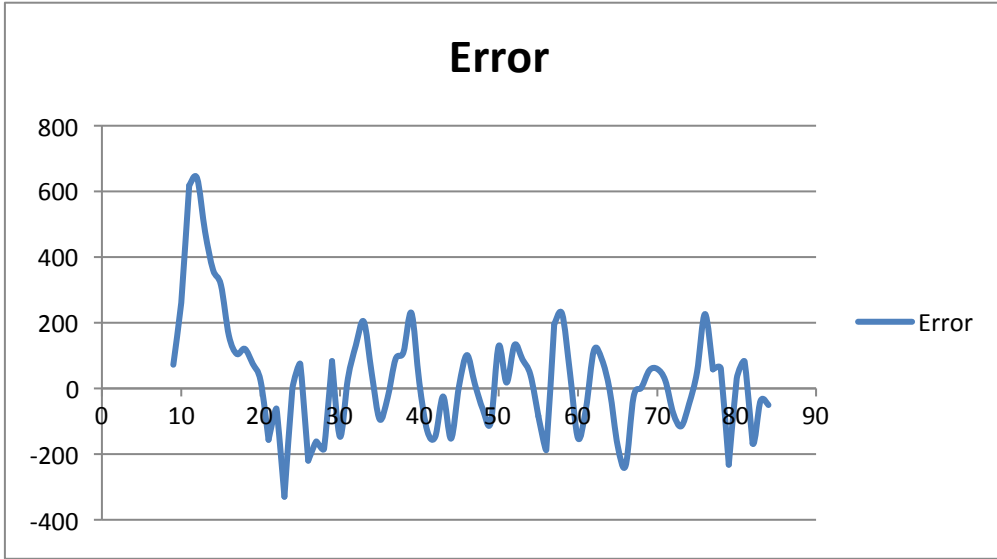
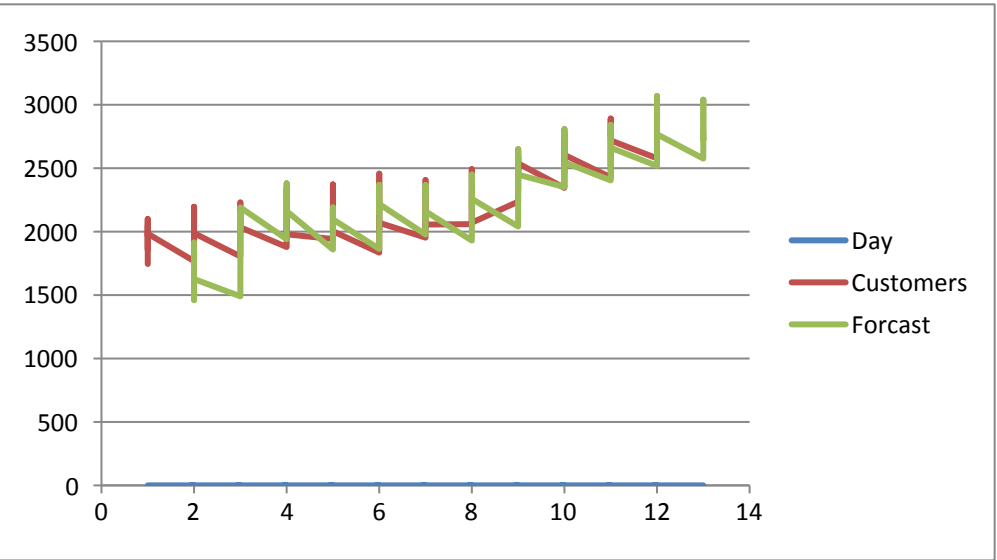
alpha 0.4
beta 0.2



			Alpha	0.2			RMSE	177.1863		
			Beta	0.4						
			Gama	0.15						
Week	Day	Customers	Level	Treand	Seasonal	Forecast	Error	Error	Error²	Error%
1	Sun	1745			0.887847071					
1	Mon	2099			1.067960459					
1	Tues	2060			1.048117459					
1	Wed	1963			0.998764355					
1	Thur	2047			1.041503125					
1	Fri	1860			0.946358482					
1	Sat	1984			1.009449048					
2	Sun	1768	1991.334	-197.4285714	0.887847071					
2	Mon	1988	1807.423	-192.0216293	1.072752698	1915.82	72.18001	72.18001	5209.953	4%
2	Tues	1954	1665.18	-172.1101269	1.066916864	1693.13	260.8699	260.8699	68053.11	13%
2	Wed	2109	1616.778	-122.6269684	1.044616686	1491.225	617.7752	617.7752	381646.2	29%
2	Thur	2196	1617.019	-73.47973744	1.088985873	1556.163	639.8374	639.8374	409391.9	29%
2	Fri	1938	1644.401	-33.13487469	0.981186392	1460.741	477.2588	477.2588	227776	25%
2	Sat	1988	1682.891	-4.484885761	1.035226742	1626.491	361.5088	361.5088	130688.6	18%
3	Sun	1805	1749.327	23.88322811	0.909443849	1490.168	314.8318	314.8318	99119.08	17%
3	Mon	2063	1803.186	35.87363984	1.083452715	1902.216	160.7843	160.7843	25851.6	8%
3	Tues	2067	1858.719	43.73752287	1.073687743	1962.124	104.8764	104.8764	10999.05	5%
3	Wed	2108	1925.558	52.97818834	1.052136287	1987.338	120.6619	120.6619	14559.3	6%
3	Thur	2230	1992.385	58.51740239	1.09352726	2154.598	75.40157	75.40157	5685.397	3%
3	Fri	2035	2055.526	60.36682153	0.982510597	2012.317	22.68281	22.68281	514.5099	1%
3	Sat	2034	2085.671	48.27838402	1.026226565	2190.428	-156.428	156.4284	24469.85	8%
4	Sun	1879	2120.379	42.85023636	0.9059516	1940.707	-61.7074	61.70744	3807.809	3%
4	Mon	2014	2102.358	18.50163602	1.064630595	2343.757	-329.757	329.757	108739.7	16%
4	Tues	2276	2120.647	18.41661433	1.073623173	2277.141	-1.14108	1.141084	1.302073	0%
4	Wed	2325	2153.209	24.07469345	1.056283402	2250.587	74.41338	74.41338	5537.351	3%
4	Thur	2161	2137.062	7.985909758	1.081178395	2380.919	-219.919	219.919	48364.39	10%
4	Fri	1946	2112.166	-5.166682656	0.973333364	2107.532	-161.532	161.532	26092.59	8%
4	Sat	1979	2071.284	-19.45271433	1.015609454	2162.259	-183.259	183.2588	33583.79	9%
5	Sun	1942	2070.186	-12.11105749	0.910770867	1858.86	83.13982	83.13982	6912.23	4%
5	Mon	2044	2030.443	-23.16385597	1.055937554	2191.089	-147.089	147.0893	21635.27	7%
5	Tues	2185	2012.856	-20.93299033	1.075408032	2155.061	29.93886	29.93886	896.3355	1%
5	Wed	2235	2016.72	-11.01408226	1.064076137	2104.035	130.9647	130.9647	17151.76	6%
5	Thur	2372	2043.346	4.041618376	1.093127841	2168.526	203.4737	203.4737	41401.56	9%
5	Fri	2039	2056.882	7.839684142	0.976029277	1992.79	46.2098	46.2098	2135.346	2%
5	Sat	2003	2046.221	0.43911048	1.010099716	2096.951	-93.9512	93.95116	8826.82	5%
6	Sun	1835	2040.283	-2.111518854	0.909062988	1864.038	-29.038	29.03799	843.2046	2%
6	Mon	2241	2054.994	4.617523602	1.061124028	2152.182	88.81811	88.81811	7888.656	4%
6	Tues	2325	2080.083	12.8061957	1.081758376	2214.923	110.077	110.077	12116.96	5%
6	Wed	2457	2136.121	30.09865431	1.076997101	2226.994	230.0062	230.0062	52902.83	9%
6	Thur	2386	2169.521	31.41929035	1.094125959	2367.955	18.0453	18.0453	325.6329	1%
6	Fri	2019	2174.469	20.83090987	0.968900248	2148.182	-129.182	129.1821	16688.02	6%
6	Sat	2070	2166.101	9.151103553	1.001929895	2217.472	-147.472	147.4721	21748.02	7%
7	Sun	1953	2169.875	7.000238868	0.907711339	1977.441	-24.4409	24.44089	597.3573	1%
7	Mon	2157	2148.05	-4.529740782	1.052580415	2309.934	-152.934	152.9342	23388.88	7%
7	Tues	2325	2144.672	-4.069076689	1.08210691	2318.771	6.229091	6.229091	38.80157	0%
7	Wed	2407	2159.466	3.476126885	1.082641665	2305.423	101.577	101.577	10317.89	4%
7	Thur	2380	2165.404	4.460958352	1.094872376	2366.531	13.46912	13.46912	181.4172	1%
7	Fri	2039	2156.782	-0.772412182	0.965373734	2102.383	-63.3827	63.38268	4017.364	3%
7	Sat	2056	2135.215	-9.089957775	0.996075499	2160.17	-104.17	104.17	10851.38	5%
8	Sun	2059	2154.569	2.287401737	0.914901195	1929.908	129.092	129.092	16664.74	6%
8	Mon	2288	2160.226	3.635367993	1.053565619	2270.264	17.73554	17.73554	314.5492	1%
8	Tues	2474	2188.345	13.42890452	1.089371066	2341.529	132.4707	132.4707	17548.48	5%
8	Wed	2472	2218.08	19.95129273	1.087417017	2383.732	88.26762	88.26762	7791.172	4%
8	Thur	2492	2245.638	22.99393249	1.097097558	2450.359	41.64128	41.64128	1733.996	2%
8	Fri	2106	2251.213	16.02646313	0.960892009	2190.078	-84.0776	84.07765	7069.051	4%
8	Sat	2071	2229.624	0.980060996	0.985992619	2258.342	-187.342	187.3419	35096.99	9%
9	Sun	2236	2273.279	18.05014185	0.925206202	2040.782	195.218	195.218	38110.05	9%
9	Mon	2641	2334.408	35.28186948	1.065231159	2414.066	226.9344	226.9344	51499.24	9%
9	Tues	2626	2377.865	38.55186451	1.091618189	2581.472	44.52797	44.52797	1982.741	2%
9	Wed	2476	2388.525	27.39492233	1.079797933	2627.653	-151.653	151.6531	22998.67	6%
9	Thur	2589	2404.708	22.91039129	1.094028598	2650.5	-61.4996	61.4996	3782.201	2%
9	Fri	2448	2451.622	32.5115144	0.966536626	2332.679	115.3205	115.3205	13298.82	5%
9	Sat	2538	2502.118	39.70533016	0.990244846	2449.337	88.66312	88.66312	7861.148	3%
10	Sun	2345	2540.372	39.12510394	0.924889224	2351.71	-6.71036	6.710361	45.02895	0%
10	Mon	2573	2546.686	26.0003581	1.056996404	2747.761	-174.761	174.7611	30541.44	7%
10	Tues	2573	2529.559	8.749577945	1.080451461	2808.391	-235.391	235.3908	55408.84	9%
10	Wed	2715	2533.519	6.833634845	1.078573056	2740.86	-25.8604	25.86039	668.7599	1%
10	Thur	2782	2540.861	7.03705439	1.094159979	2779.218	2.781835	2.781835	7.738606	0%
10	Fri	2518	2559.354	11.6194588	0.969132434	2462.637	55.36327	55.36327	3065.092	2%
10	Sat	2605	2582.911	16.39458312	0.9929909	2545.893	59.10678	59.10678	3493.611	2%
11	Sun	2428	2604.481	18.4644547	0.925991786	2404.07	23.93002	23.93002	572.646	1%
11	Mon	2697	2608.67	12.75443165	1.053525972	2772.443	-75.4434	75.44342	5691.71	3%
11	Tues	2717	2600.077	4.215646543	1.075129076	2832.322	-115.322	115.3218	13299.11	4%
11	Wed	2762	2595.593	0.735469661	1.076403826	2808.92	-46.9203	46.92031	2201.516	2%
11	Thur	2891	2605.504	4.405991504	1.096472087	2840.798	50.20173	50.20173	2520.213	2%
11	Fri	2756	2656.684	23.11560854	0.979370061	2529.349	226.6512	226.6512	51370.77	8%
11	Sat	2719	2691.478	27.78698772	0.99557608	2661.017	57.98296	57.98296	3362.024	2%
12	Sun	2578	2732.221	32.9691089	0.928626237	2518.017	59.98252	59.98252	3597.903	2%
12	Mon	2681	2721.109	15.33694011	1.04328606	2913.199	-232.199	232.1993	53916.54	9%
12	Tues	2972	2742.021	17.56676897	1.076440528	2942.033	29.96692	29.96692	898.0165	1%
12	Wed	3052	2774.744	23.62911894	1.079931469	2970.431	81.56921	81.56921	6653.536	3%
12	Thur	2901	2767.85	11.4199559	1.089217174	3068.338	-167.338	167.3376	28001.87	6%
12	Fri	2684	2771.523	8.321343138	0.977727631	2721.934	-37.9336	37.93361	1438.959	1%
12	Sat	2717	2769.69	4.259632618	0.993386083	2767.547	-50.5468	50.54677	2554.976	2%
13	Sun					2575.963				
13	Mon					2898.467				
13	Tues					2995.163				
13	Wed					3009.476				
13	Thur					3039.993				
13	Fri					2732.991				
13	Sat					2780.992				

0
0

K=No. of time to forecast
1
2
3
4
5
6
7
8



6%

		Alpha	0.4			RMSE	155.7783				
		Beta	0.2								
		Gama	0.15								
Week	Day	Customers	Level	Treand	Seasonal	Forecast	Error	Error	Error²	Error%	
1	Sun	1745				0.887847					
1	Mon	2099				1.06796					
1	Tues	2060				1.048117					
1	Wed	1963				0.998764					
1	Thur	2047				1.041503					
1	Fri	1860				0.946358					
1	Sat	1984				1.009449					
2	Sun	1768	1991.334	-197.429	0.887847						
2	Mon	1988	1820.94	-192.022	1.071528	1915.82	72.18001	72.18001	5209.953	4%	
2	Tues	1954	1723.069	-173.192	1.061003	1707.298	246.7021	246.7021	60861.95	13%	
2	Wed	2109	1774.57	-128.253	1.027218	1547.962	561.0376	561.0376	314763.2	27%	
2	Thur	2196	1831.187	-91.2791	1.065161	1714.645	481.3555	481.3555	231703.1	22%	
2	Fri	1938	1863.085	-66.6437	0.960436	1646.576	291.4236	291.4236	84927.73	15%	
2	Sat	1988	1865.621	-52.8077	1.017871	1813.415	174.5845	174.5845	30479.76	9%	
3	Sun	1805	1900.891	-35.1921	0.897103	1609.501	195.4991	195.4991	38219.88	11%	
3	Mon	2063	1889.535	-30.425	1.074569	1999.149	63.85142	63.85142	4077.003	3%	
3	Tues	2067	1894.728	-23.3013	1.065491	1972.521	94.47857	94.47857	8926.199	5%	
3	Wed	2108	1943.714	-8.84388	1.035814	1922.364	185.6362	185.6362	34460.79	9%	
3	Thur	2230	1998.354	3.852937	1.072775	2060.948	169.0519	169.0519	28578.56	8%	
3	Fri	2035	2048.856	13.18268	0.965356	1922.992	112.0077	112.0077	12545.74	6%	
3	Sat	2034	2036.538	8.082655	1.015004	2098.89	-64.8896	64.88955	4210.654	3%	
4	Sun	1879	2064.58	12.07453	0.899055	1834.236	44.76399	44.76399	2003.815	2%	
4	Mon	2014	1995.689	-4.11871	1.06476	2231.509	-217.509	217.5094	47310.34	11%	
4	Tues	2276	2049.384	7.444039	1.072254	2122	154.0001	154.0001	23716.02	7%	
4	Wed	2325	2131.941	22.46678	1.044025	2130.49	194.5096	194.5096	37833.97	8%	
4	Thur	2161	2098.406	11.26634	1.066333	2311.194	-150.194	150.1944	22558.37	7%	
4	Fri	1946	2072.138	3.75941	0.961422	2036.586	-90.5858	90.58576	8205.78	5%	
4	Sat	1979	2025.437	-6.33261	1.009314	2107.043	-128.043	128.043	16395.01	6%	
5	Sun	1942	2075.481	4.942784	0.904549	1815.285	126.715	126.715	16056.69	7%	
5	Mon	2044	2016.127	-7.91666	1.05712	2215.153	-171.153	171.1528	29293.27	8%	
5	Tues	2185	2020.031	-5.55241	1.073666	2153.312	31.68839	31.68839	1004.154	1%	
5	Wed	2235	2064.989	4.54953	1.049771	2103.166	131.8335	131.8335	17380.08	6%	
5	Thur	2372	2131.501	16.94216	1.073307	2206.817	165.1834	165.1834	27285.55	7%	
5	Fri	2039	2137.393	14.73202	0.960304	2065.561	-26.561	26.56096	705.4848	1%	
5	Sat	2003	2085.081	1.323319	1.002012	2172.17	-169.17	169.1699	28618.46	8%	
6	Sun	1835	2063.297	-3.29831	0.90227	1887.256	-52.2561	52.25613	2730.704	3%	
6	Mon	2241	2083.963	1.494695	1.059855	2177.665	63.33476	63.33476	4011.291	3%	
6	Tues	2325	2117.466	7.896301	1.077318	2239.085	85.91482	85.91482	7381.356	4%	
6	Wed	2457	2211.422	25.10819	1.058963	2231.143	225.8567	225.8567	51011.24	9%	
6	Thur	2386	2231.132	24.02858	1.072723	2400.484	-14.4843	14.48435	209.7963	1%	
6	Fri	2019	2194.08	11.81255	0.954289	2165.639	-146.639	146.6387	21502.92	7%	
6	Sat	2070	2149.873	0.608596	0.996137	2210.331	-140.331	140.3312	19692.85	7%	
7	Sun	1953	2156.105	1.733301	0.902799	1940.315	12.68485	12.68485	160.9053	1%	
7	Mon	2157	2108.777	-8.07908	1.054307	2286.996	-129.996	129.9963	16899.05	6%	
7	Tues	2325	2123.674	-3.48385	1.07994	2263.118	61.88155	61.88155	3829.326	3%	
7	Wed	2407	2181.306	8.739287	1.065638	2245.202	161.7981	161.7981	26178.62	7%	
7	Thur	2380	2201.488	11.0279	1.073978	2349.312	30.68806	30.68806	941.7571	1%	
7	Fri	2039	2182.178	4.960258	0.951303	2111.378	-72.3785	72.37847	5238.643	4%	
7	Sat	2056	2137.872	-4.89298	0.990972	2178.69	-122.69	122.6897	15052.76	6%	
8	Sun	2059	2192.061	6.923416	0.908274	1925.652	133.3479	133.3479	17781.67	6%	
8	Mon	2288	2187.449	4.616348	1.053056	2318.404	-30.4045	30.40447	924.4321	1%	
8	Tues	2474	2231.586	12.52056	1.084243	2367.299	106.701	106.701	11385.1	4%	
8	Wed	2472	2274.359	18.57092	1.068828	2391.406	80.59368	80.59368	6495.341	3%	
8	Thur	2492	2303.896	20.76424	1.075128	2462.555	29.44471	29.44471	866.9908	1%	
8	Fri	2106	2280.318	11.8958	0.947141	2211.457	-105.457	105.4573	11121.24	5%	
8	Sat	2071	2211.275	-4.29199	0.982811	2271.521	-200.521	200.5206	40208.5	10%	
9	Sun	2236	2308.914	16.09427	0.917296	2004.546	231.4539	231.4539	53570.91	10%	
9	Mon	2641	2398.181	30.72867	1.060285	2448.364	192.6356	192.6356	37108.47	7%	
9	Tues	2626	2426.132	30.17317	1.083964	2633.529	-7.52864	7.528645	56.68049	0%	
9	Wed	2476	2400.406	18.99334	1.063227	2625.367	-149.367	149.3665	22310.35	6%	
9	Thur	2589	2414.874	18.08824	1.074675	2601.164	-12.1637	12.16367	147.955	0%	
9	Fri	2448	2493.625	30.22089	0.952326	2304.358	143.6416	143.6416	20632.92	6%	
9	Sat	2538	2547.263	34.90429	0.984844	2480.464	57.53631	57.53631	3310.427	2%	
10	Sun	2345	2571.871	32.84498	0.91647	2368.612	-23.6125	23.61248	557.5493	1%	
10	Mon	2573	2533.511	18.60413	1.053581	2761.742	-188.742	188.7421	35623.57	7%	
10	Tues	2573	2480.747	4.330482	1.076948	2766.402	-193.402	193.4016	37404.17	8%	
10	Wed	2715	2512.465	9.807949	1.065835	2642.203	72.79741	72.79741	5299.462	3%	
10	Thur	2782	2548.84	15.12133	1.077195	2710.623	71.37699	71.37699	5094.674	3%	
10	Fri	2518	2595.998	21.52874	0.95497	2441.726	76.27418	76.27418	5817.751	3%	
10	Sat	2605	2628.552	23.7337	0.985773	2577.856	27.14432	27.14432	736.8144	1%	
11	Sun	2428	2651.09	23.4945	0.916377	2430.74	-2.74022	2.740217	7.508788	0%	
11	Mon	2697	2628.687	14.31515	1.049442	2817.89	-120.89	120.8899	14614.37	4%	
11	Tues	2717	2594.95	4.704642	1.07246	2846.375	-129.375	129.3751	16737.92	5%	
11	Wed	2762	2596.351	4.043908	1.06553	2770.803	-8.80292	8.802925	77.49148	0%	
11	Thur	2891	2633.766	10.7181	1.080266	2801.132	89.86764	89.86764	8076.192	3%	
11	Fri	2756	2741.072	30.03579	0.962541	2525.402	230.5976	230.5976	53175.24	8%	
11	Sat	2719	2765.961	29.00638	0.985361	2731.685	-12.6845	12.68452	160.897	0%	
12	Sun	2578	2802.282	30.4692	0.916915	2561.244	16.75613	16.75613	280.7679	1%	
12	Mon	2681	2721.527	8.224492	1.039792	2972.806	-291.806	291.8065	85151.02	11%	
12	Tues	2972	2746.33	11.54017	1.073917	2927.551	44.44913	44.44913	1975.725	1%	
12	Wed	3052	2800.443	20.05475	1.069175	2938.593	113.4068	113.4068	12861.11	4%	
12	Thur	2901	2766.479	9.250906	1.07552	3046.888	-145.888	145.8879	21283.27	5%	
12	Fri	2684	2780.819	10.26869	0.962938	2671.754	12.2457	12.2457	149.9572	0%	
12	Sat	2717	2777.599	7.571003	0.984284	2750.227	-33.2274	33.22738	1104.059	1%	
13	Sun					2553.764					
13	Mon					2903.869					
13	Tues					3007.303					
13	Wed					3002.117					
13	Thur					3028.077					
13	Fri					2718.397					
13	Sat					2786.11					

0

0

K=No. of time to forecast

1

2

3

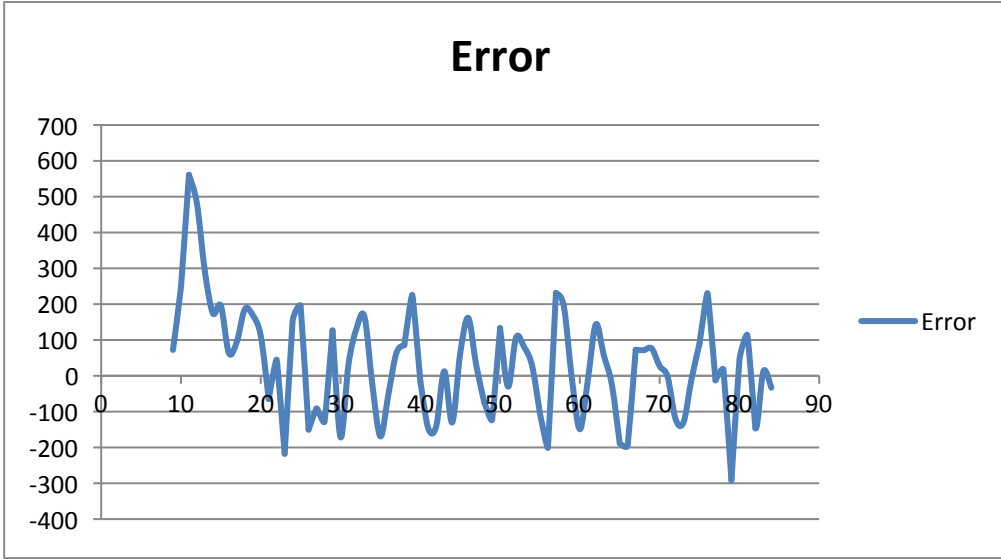
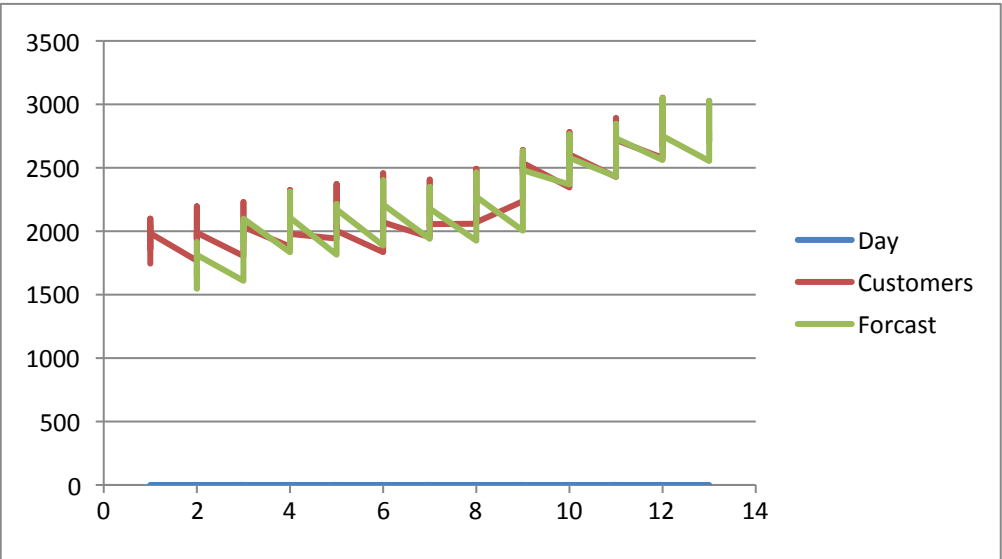
4

5

6

7

8



5%

		Alpha	0.2		RMSE	171.0329				
		Beta	0.4							
		Gama	0.35							
Week	Day	Customers	Level	Treand	Seasonal	Forecast	Error	Error	Error²	Error%
1	Sun	1745			0.887847					
1	Mon	2099			1.06796					
1	Tues	2060			1.048117					
1	Wed	1963			0.998764					
1	Thur	2047			1.041503					
1	Fri	1860			0.946358					
1	Sat	1984			1.009449					
2	Sun	1768	1991.334	-197.429	0.887847					
2	Mon	1988	1807.423	-192.022	1.079142	1915.82	72.18001	72.18001	5209.953	4%
2	Tues	1954	1665.18	-172.11	1.091983	1693.13	260.8699	260.8699	68053.11	13%
2	Wed	2109	1616.778	-122.627	1.105753	1491.225	617.7752	617.7752	381646.2	29%
2	Thur	2196	1617.019	-73.4797	1.152296	1556.163	639.8374	639.8374	409391.9	29%
2	Fri	1938	1644.401	-33.1349	1.027624	1460.741	477.2588	477.2588	227776	25%
2	Sat	1988	1682.891	-4.48489	1.069597	1626.491	361.5088	361.5088	130688.6	18%
3	Sun	1805	1749.327	23.88323	0.93824	1490.168	314.8318	314.8318	99119.08	17%
3	Mon	2063	1800.909	34.9627	1.102379	1913.546	149.4541	149.4541	22336.54	7%
3	Tues	2067	1847.274	39.52397	1.10142	2004.74	62.26028	62.26028	3876.342	3%
3	Wed	2108	1890.717	41.09154	1.108962	2086.333	21.66678	21.66678	469.4494	1%
3	Thur	2230	1932.5	41.36813	1.152873	2226.016	3.984005	3.984005	15.8723	0%
3	Fri	2035	1975.154	41.88242	1.02856	2028.394	6.606173	6.606173	43.64153	0%
3	Sat	2034	1993.959	32.65156	1.052266	2157.416	-123.416	123.4163	15231.58	6%
4	Sun	1879	2021.826	30.73762	0.935131	1901.447	-22.4466	22.4466	503.8498	1%
4	Mon	2014	2007.443	12.68914	1.06769	2262.703	-248.703	248.7033	61853.33	12%
4	Tues	2276	2029.39	16.3925	1.108455	2225.013	50.98687	50.98687	2599.661	2%
4	Wed	2325	2055.937	20.45433	1.11663	2268.695	56.30521	56.30521	3170.277	2%
4	Thur	2161	2036.003	4.298757	1.120855	2393.817	-232.817	232.8167	54203.6	11%
4	Fri	1946	2010.634	-7.56813	1.007313	2098.573	-152.573	152.5726	23278.39	8%
4	Sat	1979	1978.593	-17.3572	1.034045	2107.759	-128.759	128.759	16578.88	7%
5	Sun	1942	1984.332	-8.11894	0.950369	1834.013	107.9874	107.9874	11661.28	6%
5	Mon	2044	1963.853	-13.0629	1.058282	2109.982	-65.982	65.98203	4353.628	3%
5	Tues	2185	1954.875	-11.429	1.111697	2162.362	22.63761	22.63761	512.4615	1%
5	Wed	2235	1955.068	-6.78004	1.125923	2170.11	64.8901	64.8901	4210.725	3%
5	Thur	2372	1981.879	6.656164	1.147452	2183.749	188.2505	188.2505	35438.27	8%
5	Fri	2039	1995.667	9.509155	1.012353	2003.077	35.92318	35.92318	1290.475	2%
5	Sat	2003	1991.552	4.059267	1.024141	2073.443	-70.4429	70.44287	4962.198	4%
6	Sun	1835	1982.655	-1.12323	0.941674	1896.566	-61.566	61.56598	3790.369	3%
6	Mon	2241	2008.742	9.760867	1.078352	2097.019	143.9805	143.9805	20730.39	6%
6	Tues	2325	2033.082	15.59243	1.122858	2243.963	81.0366	81.0366	6566.931	3%
6	Wed	2457	2075.381	26.27521	1.146208	2306.65	150.3499	150.3499	22605.09	6%
6	Thur	2386	2097.203	24.49397	1.144041	2411.549	-25.5486	25.54855	652.7286	1%
6	Fri	2019	2096.23	14.30729	0.995135	2147.907	-128.907	128.9065	16616.89	6%
6	Sat	2070	2092.671	7.160724	1.0119	2161.489	-91.4886	91.4886	8370.164	4%
7	Sun	1953	2094.659	5.091477	0.938418	1977.357	-24.357	24.35695	593.2612	1%
7	Mon	2157	2079.855	-2.86654	1.063911	2264.269	-107.269	107.2693	11506.7	5%
7	Tues	2325	2075.713	-3.37684	1.121891	2332.162	-7.16241	7.162414	51.30017	0%
7	Wed	2407	2077.862	-1.16628	1.150476	2375.328	31.67197	31.67197	1003.114	1%
7	Thur	2380	2077.426	-0.87431	1.144603	2375.825	4.175411	4.175411	17.43406	0%
7	Fri	2039	2071.035	-3.08094	0.991424	2066.449	-27.4487	27.44865	753.4286	1%
7	Sat	2056	2060.728	-5.97158	1.006932	2092.563	-36.5631	36.56308	1336.859	2%
8	Sun	2059	2082.629	5.177372	0.956001	1928.22	130.7798	130.7798	17103.35	6%
8	Mon	2288	2100.356	10.19743	1.072811	2221.239	66.76118	66.76118	4457.055	3%
8	Tues	2474	2129.484	17.76952	1.135854	2367.812	106.1883	106.1883	11275.94	4%
8	Wed	2472	2147.538	17.88336	1.150689	2470.363	1.637077	1.637077	2.68002	0%
8	Thur	2492	2167.772	18.82355	1.146341	2478.548	13.45184	13.45184	180.9519	1%
8	Fri	2106	2174.12	13.83338	0.983459	2167.842	-61.8421	61.84213	3824.449	3%
8	Sat	2071	2161.711	3.336531	0.989819	2203.12	-132.12	132.1202	17455.74	6%
9	Sun	2236	2199.82	17.24554	0.977157	2069.787	166.2128	166.2128	27626.7	7%
9	Mon	2641	2266.004	36.82093	1.105248	2378.491	262.5085	262.5085	68910.73	10%
9	Tues	2626	2304.643	37.54831	1.137109	2615.673	10.32749	10.32749	106.657	0%
9	Wed	2476	2304.104	22.31327	1.124059	2695.135	-219.135	219.135	48020.14	9%
9	Thur	2589	2312.832	16.87913	1.136914	2666.867	-77.8672	77.86722	6063.303	3%
9	Fri	2448	2361.604	29.63608	1.002053	2291.176	156.8242	156.8242	24593.84	6%
9	Sat	2538	2425.813	43.46533	1.009569	2366.894	171.1057	171.1057	29277.16	7%
10	Sun	2345	2455.386	37.90863	0.969417	2412.872	-67.8721	67.87214	4606.628	3%
10	Mon	2573	2460.233	24.68384	1.084453	2755.708	-182.708	182.7083	33382.33	7%
10	Tues	2573	2440.485	6.911032	1.108125	2825.62	-252.62	252.6201	63816.94	10%
10	Wed	2715	2440.987	4.347566	1.119928	2751.019	-36.0186	36.0186	1297.34	1%
10	Thur	2782	2445.663	4.478791	1.137127	2780.135	1.864885	1.864885	3.477795	0%
10	Fri	2518	2462.682	9.494799	1.009196	2455.171	62.82881	62.82881	3947.46	2%
10	Sat	2605	2493.803	18.14544	1.021826	2495.832	109.1677	109.1677	11917.58	4%
11	Sun	2428	2510.478	17.55739	0.968622	2435.126	-7.12579	7.12579	50.77689	0%
11	Mon	2697	2519.822	14.27188	1.079505	2741.537	-44.5372	44.53722	1983.564	2%
11	Tues	2717	2517.653	7.695515	1.097994	2808.093	-91.093	91.09298	8297.93	3%
11	Wed	2762	2513.525	2.966054	1.112552	2828.208	-66.2082	66.20819	4383.524	2%
11	Thur	2891	2521.667	5.036482	1.140395	2861.571	29.42925	29.42925	866.081	1%
11	Fri	2756	2567.54	21.3711	1.031668	2549.94	206.0605	206.0605	42460.91	7%
11	Sat	2719	2603.313	27.13203	1.02974	2645.417	73.58333	73.58333	5414.506	3%
12	Sun	2578	2636.659	29.61736	0.971818	2547.908	30.09182	30.09182	905.5174	1%
12	Mon	2681	2629.73	14.99901	1.058502	2878.257	-197.257	197.2572	38910.42	7%
12	Tues	2972	2657.134	19.96097	1.105171	2903.897	68.10264	68.10264	4637.969	2%
12	Wed	3052	2690.324	25.25267	1.120212	2978.409	73.5912	73.5912	5415.664	2%
12	Thur	2901	2681.233	11.51491	1.119945	3096.831	-195.831	195.8309	38349.76	7%
12	Fri	2684	2674.521	4.224102	1.021825	2778.021	-94.0212	94.02121	8839.988	4%
12	Sat	2717	2670.702	1.006883	1.025399	2758.411	-41.4113	41.41126	1714.892	2%
13	Sun					2596.414				
13	Mon					2829.074				
13	Tues					2954.919				
13	Wed					2996.263				
13	Thur					2996.676				
13	Fri					2735.162				
13	Sat					2745.761				

0

0

K=No. of time to forecast

1

2

3

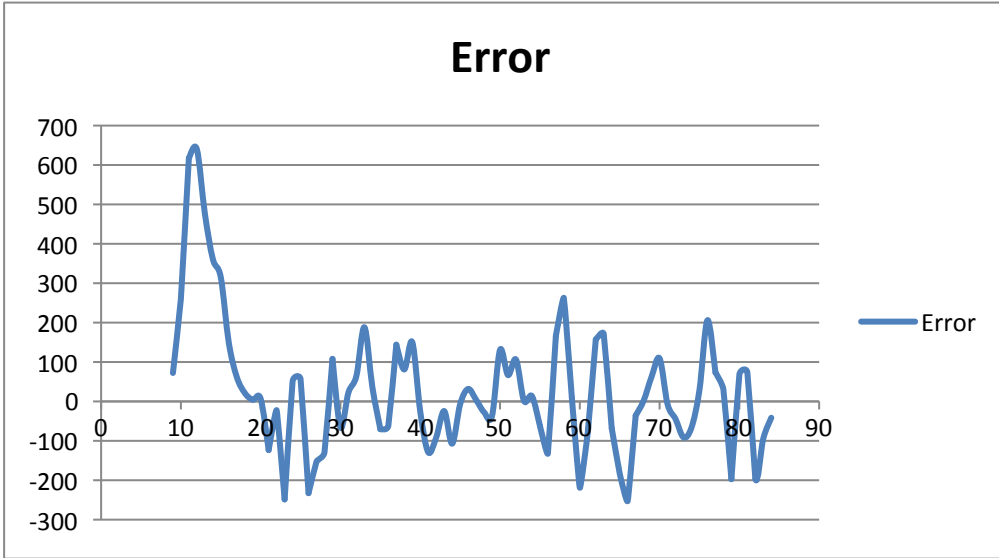
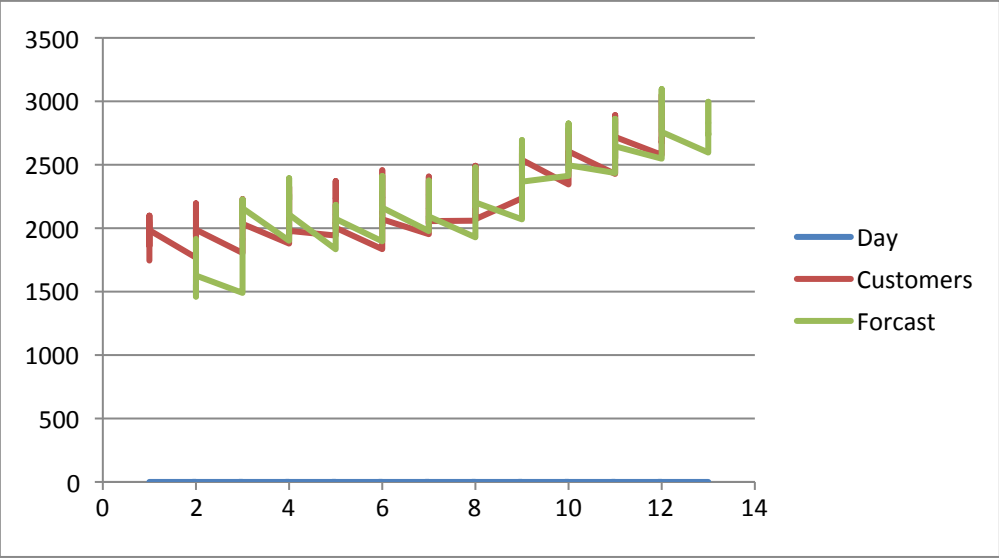
4

5

6

7

8



5%

		Alpha	0.4			RMSE	148.1652				
		Beta	0.2								
		Gama	0.35								
Week	Day	Customers	Level	Treand	Seasonal	Forecast	Error	Error	Error²	Error%	
1	Sun	1745			0.887847						
1	Mon	2099			1.06796						
1	Tues	2060			1.048117						
1	Wed	1963			0.998764						
1	Thur	2047			1.041503						
1	Fri	1860			0.946358						
1	Sat	1984			1.009449						
2	Sun	1768	1991.334	-197.429	0.887847						
2	Mon	1988	1820.94	-192.022	1.076285	1915.82	72.18001	72.18001	5209.953	4%	
2	Tues	1954	1723.069	-173.192	1.078184	1707.298	246.7021	246.7021	60861.95	13%	
2	Wed	2109	1774.57	-128.253	1.065157	1547.962	561.0376	561.0376	314763.2	27%	
2	Thur	2196	1831.187	-91.2791	1.096705	1714.645	481.3555	481.3555	231703.1	22%	
2	Fri	1938	1863.085	-66.6437	0.979207	1646.576	291.4236	291.4236	84927.73	15%	
2	Sat	1988	1865.621	-52.8077	1.029101	1813.415	174.5845	174.5845	30479.76	9%	
3	Sun	1805	1900.891	-35.1921	0.909445	1609.501	195.4991	195.4991	38219.88	11%	
3	Mon	2063	1886.131	-31.1057	1.082406	2008.023	54.97691	54.97691	3022.461	3%	
3	Tues	2067	1879.86	-26.1388	1.085662	2000.059	66.94055	66.94055	4481.038	3%	
3	Wed	2108	1903.853	-16.1124	1.079882	1974.503	133.4965	133.4965	17821.32	6%	
3	Thur	2230	1945.99	-4.46252	1.113939	2070.295	159.7054	159.7054	25505.81	7%	
3	Fri	2035	1996.202	6.472311	0.993287	1901.157	133.8432	133.8432	17914.01	7%	
3	Sat	2034	1992.198	4.377007	1.02626	2060.953	-26.9535	26.9535	726.491	1%	
4	Sun	1879	2024.383	9.938713	0.916003	1815.774	63.22581	63.22581	3997.503	3%	
4	Mon	2014	1964.861	-3.95341	1.062317	2201.961	-187.961	187.9615	35329.52	9%	
4	Tues	2276	2015.111	6.887249	1.100994	2128.884	147.1163	147.1163	21643.19	6%	
4	Wed	2325	2074.404	17.36847	1.094204	2183.519	141.481	141.481	20016.87	6%	
4	Thur	2161	2031.049	5.223604	1.096454	2330.108	-169.108	169.1081	28597.53	8%	
4	Fri	1946	2005.424	-0.94602	0.985265	2022.603	-76.6026	76.60255	5867.951	4%	
4	Sat	1979	1974.032	-7.0353	1.01795	2057.115	-78.1148	78.11484	6101.928	4%	
5	Sun	1942	2028.229	5.211337	0.930522	1801.775	140.2245	140.2245	19662.92	7%	
5	Mon	2044	1989.703	-3.53621	1.050057	2160.158	-116.158	116.1583	13492.76	6%	
5	Tues	2185	1985.528	-3.6639	1.100808	2186.757	-1.75732	1.757316	3.08816	0%	
5	Wed	2235	2006.151	1.193337	1.101159	2168.565	66.43512	66.43512	4413.625	3%	
5	Thur	2372	2069.741	13.67274	1.113808	2200.961	171.0387	171.0387	29254.25	7%	
5	Fri	2039	2077.846	12.55908	0.983879	2052.716	-13.7156	13.71564	188.1188	1%	
5	Sat	2003	2041.315	2.741178	1.005098	2127.927	-124.927	124.9267	15606.67	6%	
6	Sun	1835	2015.238	-3.02243	0.923536	1902.04	-67.0396	67.03959	4494.307	4%	
6	Mon	2241	2060.997	6.733887	1.063105	2112.941	128.0586	128.0586	16399.02	6%	
6	Tues	2325	2085.473	10.2822	1.105724	2276.175	48.82513	48.82513	2383.893	2%	
6	Wed	2457	2149.967	21.12468	1.115736	2307.759	149.2411	149.2411	22272.92	6%	
6	Thur	2386	2159.535	18.81329	1.110679	2418.18	-32.1805	32.1805	1035.584	1%	
6	Fri	2019	2127.842	8.711903	0.971619	2143.232	-124.232	124.2319	15433.56	6%	
6	Sat	2070	2105.732	2.547708	0.997374	2147.445	-77.4452	77.44524	5997.765	4%	
7	Sun	1953	2110.847	3.061123	0.924126	1947.073	5.92696	5.92696	35.12885	0%	
7	Mon	2157	2079.93	-3.7346	1.053987	2247.307	-90.3071	90.30706	8155.365	4%	
7	Tues	2325	2086.795	-1.61469	1.108673	2295.7	29.30034	29.30034	858.5101	1%	
7	Wed	2407	2114.036	4.156544	1.123731	2326.51	80.48973	80.48973	6478.597	3%	
7	Thur	2380	2128.049	6.127794	1.11338	2352.632	27.36782	27.36782	748.9975	1%	
7	Fri	2039	2119.93	3.278457	0.968191	2073.606	-34.6059	34.60586	1197.565	2%	
7	Sat	2056	2098.49	-1.66523	0.991207	2117.634	-61.6338	61.63384	3798.73	3%	
8	Sun	2059	2149.316	8.832903	0.935975	1937.73	121.2699	121.2699	14706.4	6%	
8	Mon	2288	2163.211	9.845344	1.055282	2274.661	13.33875	13.33875	177.9223	1%	
8	Tues	2474	2196.432	14.52059	1.114868	2409.208	64.79155	64.79155	4197.945	3%	
8	Wed	2472	2206.497	13.62947	1.12254	2484.517	-12.5173	12.5173	156.6828	1%	
8	Thur	2492	2227.368	15.07774	1.11528	2471.844	20.15599	20.15599	406.2639	1%	
8	Fri	2106	2215.544	9.697411	0.962019	2171.115	-65.1148	65.11485	4239.943	3%	
8	Sat	2071	2170.894	-1.17209	0.978179	2205.674	-134.674	134.6741	18137.1	7%	
9	Sun	2236	2257.415	16.36645	0.955063	2030.805	205.1954	205.1954	42105.16	9%	
9	Mon	2641	2365.328	34.67579	1.076725	2399.481	241.5191	241.5191	58331.46	9%	
9	Tues	2626	2382.177	31.11042	1.110488	2675.686	-49.6864	49.68644	2468.742	2%	
9	Wed	2476	2330.257	14.50439	1.101541	2709.012	-233.012	233.0118	54294.5	9%	
9	Thur	2589	2335.413	12.63468	1.112936	2615.066	-26.0656	26.06561	679.416	1%	
9	Fri	2448	2426.688	28.36281	0.978386	2258.866	189.1345	189.1345	35771.85	8%	
9	Sat	2538	2510.877	39.52811	0.989597	2401.479	136.5207	136.5207	18637.91	5%	
10	Sun	2345	2512.377	31.92244	0.947474	2435.799	-90.7987	90.79867	8244.399	4%	
10	Mon	2573	2482.441	19.55077	1.062639	2739.511	-166.511	166.5111	27725.93	6%	
10	Tues	2573	2427.995	4.751422	1.09272	2778.431	-205.431	205.4312	42201.97	8%	
10	Wed	2715	2445.539	7.30992	1.104567	2679.771	35.22864	35.22864	1241.057	1%	
10	Thur	2782	2471.587	11.0575	1.117366	2729.865	52.13523	52.13523	2718.082	2%	
10	Fri	2518	2519.037	18.33606	0.985807	2428.985	89.01547	89.01547	7923.754	4%	
10	Sat	2605	2575.378	25.93695	0.997264	2510.977	94.02275	94.02275	8840.278	4%	
11	Sun	2428	2585.83	22.84008	0.944495	2464.678	-36.6775	36.67753	1345.241	2%	
11	Mon	2697	2580.411	17.18808	1.056529	2772.075	-75.0755	75.07545	5636.323	3%	
11	Tues	2717	2553.142	8.296723	1.08273	2838.447	-121.447	121.447	14749.38	4%	
11	Wed	2762	2537.075	3.423908	1.098998	2829.279	-67.2793	67.27935	4526.51	2%	
11	Thur	2891	2559.233	7.170832	1.12166	2838.666	52.33356	52.33356	2738.801	2%	
11	Fri	2756	2658.114	25.51291	1.003663	2529.978	226.0218	226.0218	51085.86	8%	
11	Sat	2719	2700.76	28.93955	1.000585	2676.284	42.71577	42.71577	1824.637	2%	
12	Sun	2578	2729.62	28.92361	0.944481	2578.188	-0.18821	0.188207	0.035422	0%	
12	Mon	2681	2670.148	11.24441	1.038167	2914.482	-233.482	233.4824	54514.04	9%	
12	Tues	2972	2706.8	16.32601	1.088066	2903.225	68.7751	68.7751	4730.014	2%	
12	Wed	3052	2744.706	20.64199	1.103534	2992.709	59.29062	59.29062	3515.378	2%	
12	Thur	2901	2693.747	6.321716	1.106008	3101.781	-200.781	200.781	40313.02	7%	
12	Fri	2684	2689.723	4.252544	1.001636	2709.959	-25.9594	25.95939	673.89	1%	
12	Sat	2717	2702.549	5.967406	1.002252	2695.552	21.44832	21.44832	460.0304	1%	
13	Sun					2558.142					
13	Mon					2818.087					
13	Tues					2960.031					
13	Wed					3008.696					
13	Thur					3022.04					
13	Fri					2742.835					
13	Sat					2750.501					

0

0

K=No. of time to forecast

1

2

3

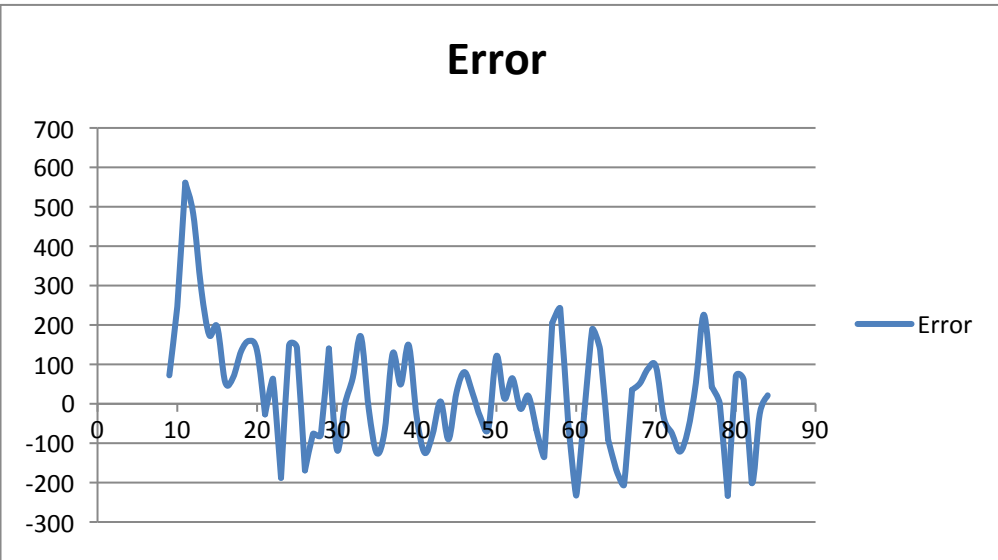
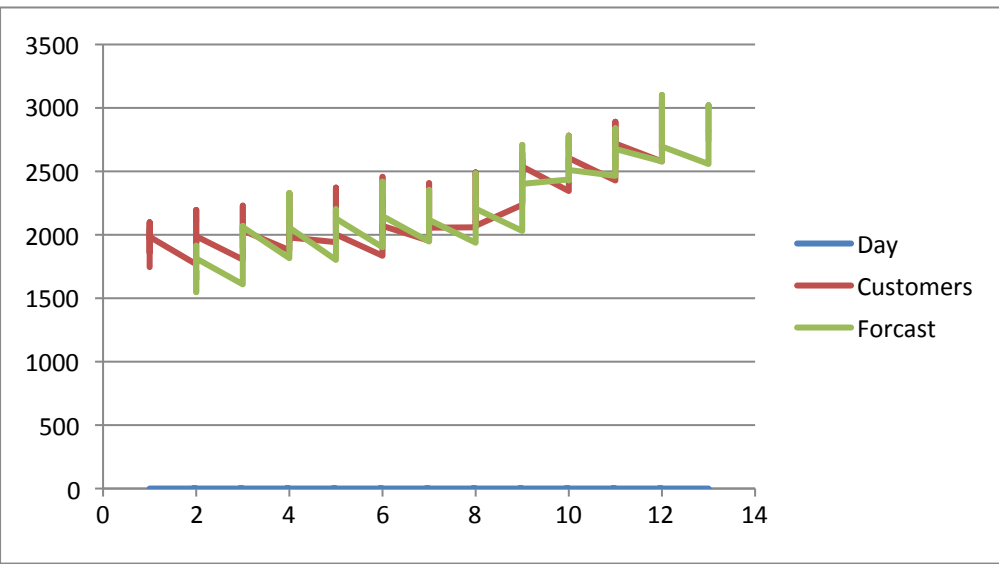
4

5

6

7

8



5%

Que:-Discuss the results of your models, especially the fit, pointing out why you picked the model you picked as the "best one".

In my opinion, the model which contains $\alpha=0.4$, $\beta=0.2$ and $\gamma=.35$ is the best model because the error percentage in that model is low - 5% and also RMSE=148.1652 which is the best among other models. It forecasts the outcome with the least error percentage. That's why I picked that model as the best one out of the others.