

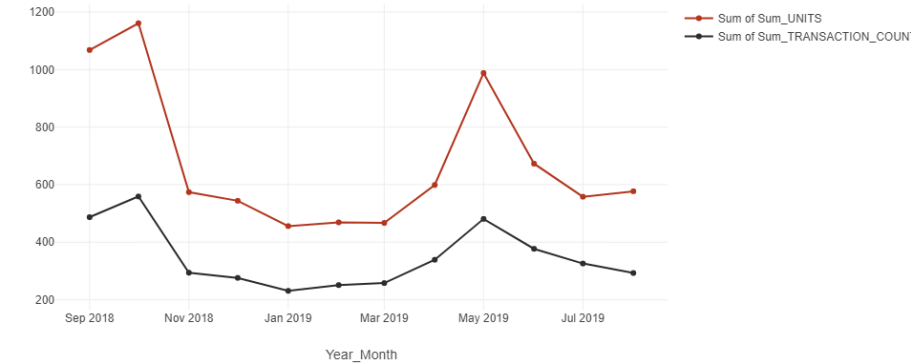
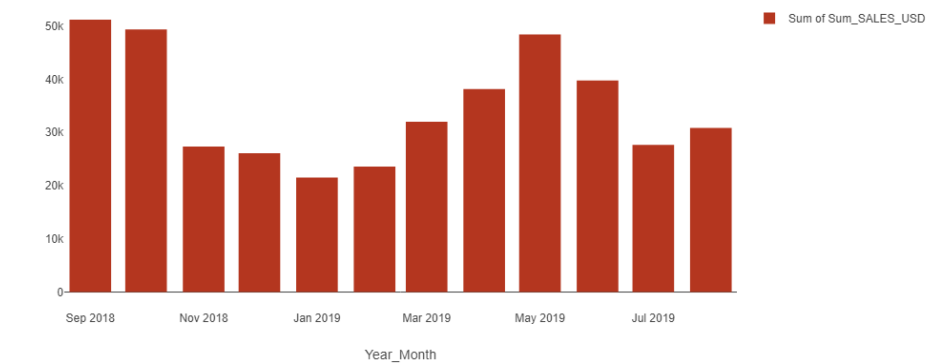


DFS Group Ltd.

SALE-UNITS-TRANSACTION: CORRELATION

SALE (Last 12 Months)

UNITS and TRANSACTION_COUNT (Last 12 Months)



Pearson Correlation Analysis

Focused Analysis on Field Sum_SALES_USD

	Association Measure	p-value
Sum_UNITS	0.83209	0
Sum_TRANSACTION_COUNT	0.83030	0
Sum_TRAFFIC	0.50139	0

Full Correlation Matrix

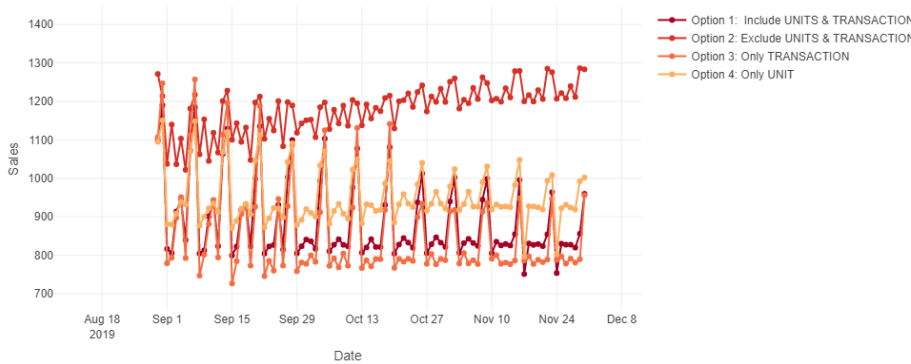
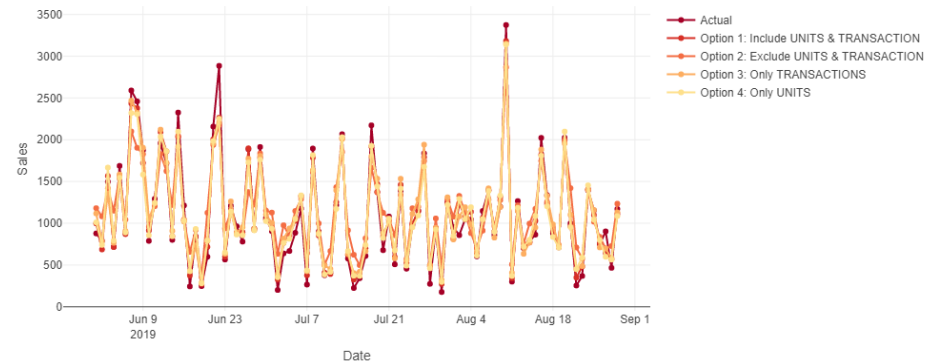
	Sum_SALES_USD	Sum_UNITS	Sum_TRANSACTION_COUNT	Sum_TRAFFIC
Sum_SALES_USD	1.00000	0.83209	0.83030	0.50139
Sum_UNITS	0.83209	1.00000	0.92193	0.58956
Sum_TRANSACTION_COUNT	0.83030	0.92193	1.00000	0.60468
Sum_TRAFFIC	0.50139	0.58956	0.60468	1.00000

Matrix of Corresponding p-values

	Sum_SALES_USD	Sum_UNITS	Sum_TRANSACTION_COUNT	Sum_TRAFFIC
Sum_SALES_USD		0	0	0
Sum_UNITS	0		0	0
Sum_TRANSACTION_COUNT	0	0		0
Sum_TRAFFIC	0	0	0	

TRAINING RESULTS

SCORING RESULT



TRAINING RESULTS

MODEL INFOR

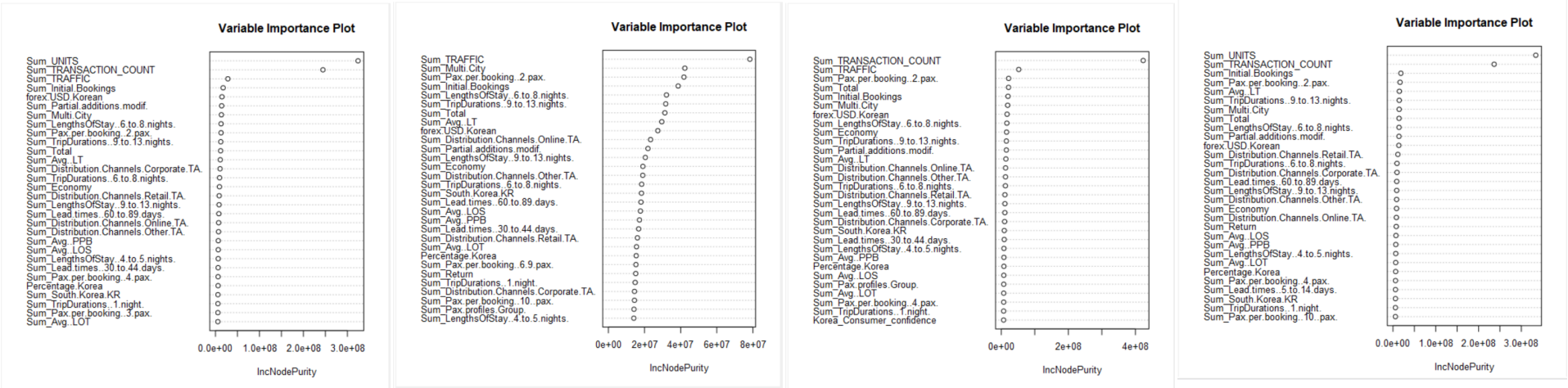
MODEL NAME	Training Date
NA_JFK_KOREA	

CORE INDICATORS

CORE INDICATORS	Option 1	Option 2	Option 3	Option 4
Correlation	97.61%	96.38%	97.39%	97.46%
MAPE	12.90%	26.54%	15.41%	14.15%
Accuracy Monthly	99.79%	93.98%	98.14%	99.66%
June	97.01%	99.97%	97.92%	96.65%

CORE INDICATORS	Option 1	Option 2	Option 3	Option 4
July	94.92%	84.21%	90.60%	95.16%
August	99.98%	95.01%	99.84%	98.94%

Option 1: Included UNIT & TRANSACTION	Option 2: Excluded UNIT & TRANSACTION	Option 3: Included only TRANSACTION	Option 4: Included only UNIT
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MONTHLY PERFORMANC	Option 1: Included UNIT & TRANSACTION	Option 2: Excluded UNIT & TRANSACTION	Option 3: Included only TRANSACTION	Option 4: Included only UNIT
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MonthName	Actual Sum_ SALES	Opt1: Test 3 months	Opt1: Absolute Error	Opt1: Percentage Error (%)	Opt2: Test 3 months	Opt2: Absolute Error	Opt2: Percentage Error (%)	Opt3: Test 3 months	Opt3: Absolute Error	Opt3: Percentage Error (%)	Opt4: Test 3 months	Opt4: Absolute Error	Opt4: Percentage Error (%)
June	39,777	38,585	1,191	2.99%	39,789	12	0.03%	38,951	826	2.08%	38,443	1,333	3.35%
July	27,651	29,055	1,404	5.08%	32,017	4,365	15.79%	30,251	2,600	9.40%	28,989	1,338	4.84%
August	30,834	30,828	6	0.02%	32,372	1,538	4.99%	30,884	50	0.16%	31,161	328	1.06%
Total	98,261	98,469	207	0.21%	104,177	5,916	6.02%	100,086	1,824	1.86%	98,594	332	0.34%

DAILY PERFORMANC	Option 1: Included UNIT & TRANSACTION	Option 2: Excluded UNIT & TRANSACTION	Option 3: Included only TRANSACTION	Option 4: Included only UNIT
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Date_ Formatted	Actual Sum_ SALES	Opt1: Test 3 months	Opt1: Absolute Error	Opt1: Percentage Error (%)	Opt2: Test 3 months	Opt2: Absolute Error	Opt2: Percentage Error (%)	Opt3: Test 3 months	Opt3: Absolute Error	Opt3: Percentage Error (%)	Opt4: Test 3 months	Opt4: Absolute Error	Opt4: Percentage Error (%)
2019-06-01	879	998	119	13.60%	1,181	302	34.41%	1,118	239	27.21%	1,011	132	15.07%
2019-06-02	790	687	103	13.03%	1,083	293	37.15%	784	5	0.64%	741	48	6.14%
2019-06-03	1,497	1,567	70	4.64%	1,416	82	5.45%	1,353	144	9.63%	1,667	170	11.32%
2019-06-04	719	715	4	0.50%	1,150	432	60.10%	766	47	6.56%	791	73	10.10%
2019-06-05	1,687	1,539	148	8.76%	1,570	118	6.98%	1,585	103	6.09%	1,545	142	8.43%
2019-06-06	888	870	18	2.02%	1,043	155	17.51%	907	19	2.18%	890	2	0.18%
2019-06-07	2,590	2,436	154	5.96%	2,099	491	18.95%	2,468	122	4.70%	2,320	270	10.44%
2019-06-08	2,459	2,378	81	3.31%	1,904	556	22.59%	2,324	135	5.51%	2,306	153	6.22%
2019-06-09	1,873	1,722	151	8.04%	1,827	46	2.44%	1,904	31	1.65%	1,583	290	15.46%
2019-06-10	789	915	126	15.93%	959	170	21.55%	1,052	263	33.30%	856	67	8.50%
2019-06-11	1,293	1,245	47	3.66%	1,204	88	6.84%	1,241	52	4.03%	1,243	49	3.82%
2019-06-12	1,958	2,093	135	6.88%	1,830	128	6.55%	2,121	163	8.31%	2,035	77	3.95%
2019-06-13	1,716	1,860	144	8.42%	1,624	92	5.34%	1,724	8	0.48%	1,863	147	8.58%
2019-06-14	801	843	42	5.22%	1,218	417	51.99%	909	107	13.39%	845	44	5.44%
2019-06-15	2,325	2,034	291	12.51%	2,046	279	12.02%	1,915	410	17.64%	2,097	228	9.81%
2019-06-16	1,213	1,037	176	14.53%	1,044	170	13.97%	1,021	192	15.86%	1,034	179	14.77%
2019-06-17	244	374	130	53.37%	657	413	169.18%	427	183	74.98%	428	184	75.30%
2019-06-18	843	837	5	0.64%	921	79	9.34%	736	107	12.65%	932	90	10.64%
2019-06-19	248	269	21	8.33%	355	107	43.12%	289	41	16.63%	281	33	13.38%
2019-06-20	599	717	119	19.87%	1,126	527	88.07%	788	189	31.64%	795	197	32.84%
2019-06-21	2,158	2,006	152	7.04%	1,938	219	10.15%	1,958	199	9.23%	1,985	172	7.98%
2019-06-22	2,885	2,264	621	21.53%	2,175	710	24.61%	2,207	678	23.49%	2,251	634	21.99%
2019-06-23	566	600	34	5.97%	938	372	65.80%	634	68	11.99%	651	85	15.06%
2019-06-24	1,210	1,163	47	3.87%	1,135	74	6.14%	1,262	52	4.32%	1,141	68	5.63%
2019-06-25	964	876	88	9.12%	892	72	7.47%	886	78	8.13%	865	99	10.27%
2019-06-26	781	894	113	14.48%	867	87	11.08%	954	173	22.15%	856	75	9.61%
2019-06-27	1,887	1,897	10	0.55%	1,374	513	27.19%	1,774	113	6.00%	1,728	159	8.44%
2019-06-28	937	920	17	1.85%	1,224	287	30.58%	936	2	0.19%	915	22	2.35%
2019-06-29	1,914	1,785	129	6.73%	1,836	77	4.04%	1,807	107	5.57%	1,760	153	8.00%
2019-06-30	1,066	1,044	22	2.05%	1,152	86	8.05%	1,103	37	3.50%	1,026	40	3.74%
2019-07-01	906	937	31	3.43%	1,128	222	24.56%	1,006	101	11.13%	935	30	3.27%
2019-07-02	201	326	125	62.28%	634	433	215.30%	386	185	91.97%	354	153	75.92%
2019-07-03	639	766	127	19.90%	976	337	52.78%	816	177	27.75%	765	126	19.70%
2019-07-04	668	856	188	28.10%	848	180	26.98%	938	270	40.39%	815	147	21.93%
2019-07-05	886	1,030	144	16.31%	1,147	261	29.50%	1,060	174	19.60%	1,050	164	18.52%
2019-07-06	1,176	1,326	149	12.70%	1,289	112	9.52%	1,320	144	12.24%	1,334	158	13.40%
2019-07-07	266	378	112	41.97%	641	375	140.94%	426	160	60.12%	436	170	64.01%
2019-07-08	1,895	1,786	109	5.76%	1,614	281	14.85%	1,634	261	13.78%	1,815	80	4.21%
2019-07-09	901	854	46	5.14%	999	98	10.90%	884	17	1.84%	871	30	3.28%
2019-07-10	379	409	31	8.15%	503	125	32.90%	494	116	30.61%	386	7	1.96%
2019-07-11	412	393	19	4.64%	667	255	61.99%	453	41	9.95%	418	6	1.52%
2019-07-12	1,217	1,254	37	3.07%	1,432	215	17.69%	1,394	178	14.62%	1,173	44	3.61%
2019-07-13	2,066	2,018	49	2.36%	1,854	213	10.29%	2,008	59	2.84%	2,031	35	1.71%
2019-07-14	578	620	42	7.26%	915	337	58.35%	633	55	9.51%	667	89	15.38%
2019-07-15	225	326	101	45.08%	623	398	176.88%	404	179	79.62%	372	147	65.32%
2019-07-16	343	373	31	8.92%	499	157	45.77%	420	77	22.61%	369	26	7.69%
2019-07-17	609	700	91	14.89%	820	211	34.70%	666	57	9.35%	738	129	21.15%
2019-07-18	2,173	1,918	255	11.73%	1,664	508	23.39%	1,801	372	17.12%	1,928	244	11.24%
2019-07-19	1,374	1,470	96	7.00%	1,371	3	0.20%	1,534	160	11.65%	1,443	69	4.99%
2019-07-20	678	844	166	24.48%	1,126	448	66.03%	880	202	29.78%	824	146	21.57%
2019-07-21	1,082	1,036	45	4.20%	1,052	30	2.74%	1,013	69	6.36%	1,056	26	2.39%
2019-07-22	509	594	86	16.85%	857	348	68.48%	580	71	14.03%	677	168	33.08%
2019-07-23	1,392	1,461	69	4.95%	1,339	53	3.79%	1,533	141	10.11%	1,414	22	1.57%

DateForeca	Option 1	Option 2	Option 3	Option 4
2019-10-08	842	1,143	768	934
2019-10-09	827	1,189	804	908
2019-10-10	823	1,137	773	895
2019-10-11	976	1,204	924	1,023
2019-10-12	1,078	1,195	1,131	1,050
2019-10-13	807	1,138	767	883
2019-10-14	820	1,192	787	933
2019-10-15	842	1,156	771	930
2019-10-16	822	1,183	790	915
2019-10-17	821	1,175	790	918
2019-10-18	931	1,209	918	987
2019-10-19	1,081	1,215	1,141	1,045
2019-10-20	804	1,130	767	885
2019-10-21	828	1,200	791	932
2019-10-22	845	1,203	783	959
2019-10-23	833	1,221	791	934
2019-10-24	820	1,186	785	925
2019-10-25	938	1,224	899	984
2019-10-26	1,012	1,242	934	1,040
2019-10-27	805	1,174	778	916
2019-10-28	829	1,213	803	934
2019-10-29	847	1,199	776	965
2019-10-30	833	1,233	790	934
2019-10-31	822	1,198	787	921
2019-11-01	940	1,251	914	979
2019-11-02	1,002	1,260	918	1,024
2019-11-03	806	1,181	779	917
2019-11-04	832	1,204	806	933
2019-11-05	843	1,195	779	965
2019-11-06	832	1,235	787	926
2019-11-07	824	1,206	777	926
2019-11-08	945	1,263	913	990
2019-11-09	999	1,248	936	1,031
2019-11-10	805	1,202	791	919
2019-11-11	835	1,207	800	932
2019-11-12	826	1,199	778	926
2019-11-13	829	1,234	781	927
2019-11-14	825	1,210	777	925
2019-11-15	855	1,279	786	982
2019-11-16	996	1,279	948	1,048
2019-11-17	751	1,200	786	797
2019-11-18	831	1,216	797	927
2019-11-19	827	1,200	777	927
2019-11-20	829	1,229	788	925
2019-11-21	824	1,206	782	919
2019-11-22	854	1,285	789	994
2019-11-23	964	1,276	946	1,009
2019-11-24	754	1,207	788	802
2019-11-25	830	1,222	797	922
2019-11-26	828	1,208	778	931
2019-11-27	827	1,240	791	924
2019-11-28	820	1,211	781	919
2019-11-29	856	1,286	790	992
2019-11-30	960	1,283	956	1,002