

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	Product_ID	Product_Name	Category	Annual_Demand	Unit_Cost	Lead_Time	Std_Dev_Demand	Annual_Value	Daily_Demand	Safety_Stock	ROP	EOQ	Annual_Holdings	Cumulative	ABC_Category	
2	P014	Soap	FMCG & Es	9974	4692	9	2.86	46798008	27.32603	14.157	260.0912	58.31975	50810.7	7.604876	A	
3	P006	Washing Machine	Appliances	9308	3404	11	3.69	31684432	25.50137	20.19327	300.7083	66.14445	45328.94	12.75373	A	
4	P025	Cookware	Home & Kitchen	8545	3470	4	15.74	29651150	23.41096	51.942	145.5858	62.76988	72286.12	17.57217	A	
5	P008	Shampoo	FMCG & Es	5523	4943	18	18.82	27300189	15.13151	131.7467	404.1138	42.28168	188930.8	22.00857	A	
6	P048	Hair Oil	FMCG & Es	9246	2951	19	16.6	27284946	25.33151	119.3902	600.6889	70.80311	114197.6	26.44249	A	
7	P035	Water Bottle	Home & Kitchen	8452	3025	14	18.8	25567300	23.15616	116.0662	440.2525	66.86164	113057.1	30.59728	A	
8	P027	Power Bank	Electronics	5692	4326	12	8.23	24623592	15.59452	47.04077	234.175	45.88272	75685.67	34.59872	A	
9	P037	Wireless Mouse	Electronics	7044	3377	9	11.71	23787588	19.29863	57.9645	231.6522	57.77024	73322.79	38.4643	A	
10	P046	Jacket	Fashion	4835	4771	20	12.32	23067785	13.24658	90.90958	355.8411	40.26739	132446.9	42.21292	A	
11	P011	Vacuum Cleaner	Home & Kitchen	7258	3117	5	13.83	22623186	19.88493	51.02595	150.4506	61.03797	63543.89	45.88928	A	
12	P005	Water Purifier	Appliances	8915	2535	3	6.32	22599525	24.42466	18.06183	91.3358	75.01216	35216.16	49.5618	A	
13	P047	T-Shirt	Fashion	4655	4064	12	4.31	18917920	12.75342	24.63496	177.6761	42.80978	46776.49	52.63604	A	
14	P045	Kurti	Fashion	4596	3913	15	14.19	17984148	12.59178	90.6801	279.5568	43.3506	109911.7	55.55854	A	
15	P019	Electric Kettle	Home & Kitchen	6297	2574	16	3.65	16208478	17.25205	24.09	300.1229	62.56372	35631.79	58.19249	A	
16	P038	Toothpaste	FMCG & Es	4593	3444	6	14.31	15818292	12.58356	57.83613	133.3375	46.19305	69683.01	60.76303	A	
17	P013	Watch	Fashion	3270	4804	15	15.14	15709080	8.958904	96.751	231.1346	33.0014	136015.3	63.31582	A	
18	P010	Grinder	Appliances	3208	4598	12	11.3	14750384	8.789041	64.58817	170.0567	33.41125	93447.22	65.71282	A	
19	P022	Bluetooth Speaker	Electronics	5639	2615	14	19.63	14745985	15.44932	121.1904	337.4808	58.73882	98428.48	68.10911	A	
20	P018	Smartwatch	Electronics	6395	2255	10	8.15	14420725	17.52055	42.52473	217.7302	67.36076	42960.63	70.45254	B	
21	P049	LED Bulb	Home & Kitchen	8150	1736	7	16.77	14148400	22.32877	73.20926	229.5106	86.66903	50580	72.75171	B	
22	P043	Microwave	Appliances	6115	1945	10	13.46	11893675	16.75342	70.23102	237.7653	70.92485	51393.44	74.68449	B	
23	P020	Backpack	Fashion	9988	1119	18	3.69	11176572	27.36438	25.83132	518.3902	119.5045	23942	76.50073	B	
24	P050	Bedsheet	Home & Kitchen	3546	3059	11	13.27	10847214	9.715068	72.61916	179.4849	43.0665	72003.06	78.26345	B	
25	P023	Geyser	Appliances	9737	1110	17	5.16	10808070	26.67671	35.10412	488.6082	118.4707	26179.21	80.0198	B	
26	P040	Iron	Appliances	5011	2115	15	18.99	10598265	13.72877	121.3541	327.2856	61.5697	80443.48	81.74207	B	
27	P024	Keyboard	Electronics	4299	2377	4	2.31	10218723	11.77808	7.623	54.73533	53.79342	20513.34	83.40265	B	
28	P041	Face Cream	FMCG & Es	4087	1866	17	19	7626342	11.19726	129.2594	319.6128	59.19793	74107.41	84.64197	B	
29	P015	Snacks Pack	FMCG & Es	2355	3170	6	12.19	7465350	6.452055	49.26781	87.98014	34.47671	52706.14	85.85512	B	
30	P029	Mobile Charger	Electronics	2300	3220	17	13.7	7406000	6.30137	93.2028	200.3261	33.80617	88635.24	87.05862	B	
31	P002	Refrigerator	Appliances	4161	1743	4	3.05	7252623	11.4	10.065	55.665	61.80309	17851.17	88.23721	B	
32	P036	Air Cooler	Appliances	5799	1234	7	11.02	7155966	15.88767	48.1077	159.3214	86.71195	28216.54	89.40008	B	
33	P033	Phone Case	Electronics	2969	2350	10	6.7	6977150	8.134247	34.95898	116.3014	44.9605	33745.55	90.5339	C	
34	P012	Ceiling Fan	Home & Kitchen	7500	865	20	9.84	6487500	20.54795	72.6096	483.5685	117.783	28437.11	91.58814	C	
35	P001	Formal Shoes	Fashion	5634	1095	12	14.39	6169230	15.43562	82.2499	267.4773	90.73218	34934.88	92.59067	C	
36	P021	Dinner Set	Home & Kitchen	1748	3494	16	7.61	6107512	4.789041	50.226	126.8507	28.29237	56229.1	93.58317	C	
37	P042	Jeans	Fashion	9819	619	5	17.61	6077961	26.90137	64.97231	199.4792	159.3119	22381.23	94.57086	C	
38	P031	Cooking Oil	FMCG & Es	5073	1189	7	19.08	6031797	13.89863	83.29354	180.584	82.6231	37038.86	95.55105	C	
39	P017	Biscuits	FMCG & Es	4599	1293	3	4.16	5946507	12.6	11.8888	49.6888	75.43839	16035.78	96.51739	C	
40	P009	Rice Bag	FMCG & Es	4648	1009	9	13.49	4689832	12.73425	66.7755	181.3837	85.85142	27672.13	97.2795	C	
41	P004	Laptop Stand	Electronics	6387	612	10	9.96	3908844	17.49863	51.96887	226.9552	129.2209	17836.64	97.91471	C	
42	P044	USB Cable	Electronics	1318	2783	18	16.42	3667994	3.610959	114.9459	179.9431	27.52714	89549.59	98.51077	C	
43	P030	Wallet	Fashion	3061	749	13	2.87	2292689	8.386301	17.07409	126.096	80.86317	10767.94	98.88334	C	
44	P039	Sunglasses	Fashion	9592	177	8	13.09	1697784	26.27945	61.08978	271.3254	294.4611	9218.175	99.15924	C	
45	P003	Storage Box	Home & Kitchen	362	3486	19	18.47	1261932	0.991781	132.8396	151.6835	12.88993	121386.5	99.36431	C	
46	P032	Sneakers	Fashion	4533	240	3	17.96	1087920	12.41918	51.32759	88.58513	173.839	8294.826	99.5411	C	
47	P034	Mixer Grinder	Home & Kitchen	1056	1030	14	2.28	1087680	2.893151	14.07612	54.58022	40.50171	8839.195	99.71785	C	
48	P026	Induction Stove	Appliances	2657	351	19	16.52	932607	7.279452	118.8149	257.1245	110.0531	15254.58	99.86941	C	
49	P007	Table Fan	Appliances	2149	275	13	5.29	590975	5.887671	31.47105	108.0108	111.818	6007.38	99.96544	C	
50	P028	Earphones	Electronics	198	656	8	10.36	129888	0.542466	48.34913	52.68886	21.9756	9731.257	99.98655	C	
51	P016	Detergent	FMCG & Es	1254	66	15	4.86	82764	3.435616	31.05745	82.5917	174.356	1950.885	100	C	
52										7.623			929610.6			
53										132.8396			2739564			
54													0.339328			