

Working with the Dataset

Understanding the Dataset

Team ID	PNT2022TMID04978
Project Name	Retail Store Stock Inventory Analytics

Dataset:

data	venda	estoque	preco
01-01-2014	0	4972	1.29
02-01-2014	70	4902	1.29
03-01-2014	59	4843	1.29
04-01-2014	93	4750	1.29
05-01-2014	96	4654	1.29
06-01-2014	145	4509	1.29
07-01-2014	179	4329	1.29
08-01-2014	321	4104	1.29
09-01-2014	125	4459	1.09
10-01-2014	88	5043	1.09
11-01-2014	188	5239	1.09
12-01-2014	121	5118	1.09
13-01-2014	134	4984	1.09
14-01-2014	80	4904	1.09
15-01-2014	82	4822	1.09
16-01-2014	94	4728	1.19
18-01-2014	159	4464	1.19
19-01-2014	199	4265	1.19
20-01-2014	104	4161	1.19
21-01-2014	70	4091	1.19
22-01-2014	127	3964	1.09
23-01-2014	96	3868	1.09
24-01-2014	75	3793	1.09
25-01-2014	198	3595	1.09
26-01-2014	168	3427	1.09
27-01-2014	125	3302	1.09

Description:

This dataset contains a lot of historical sales data of a Brazilian top retailer. Basic Questions of every retailer: How much inventory should I carry? Too much inventory means working capital costs, operational costs and a complex operation whereas lack of inventory leads to lost sales, unhappy customers and a damaged brand. This is why short-term forecasting is so important in the retail and consumer goods industry.

The dataset is in Portuguese language. Here, data means **date**, venda means **sales**, estoque means **stock** and preco means **price**. The dataset contains 938 rows. The dataset consists of historical sales data ranging from 01-01-2014 to 31-07-2016.