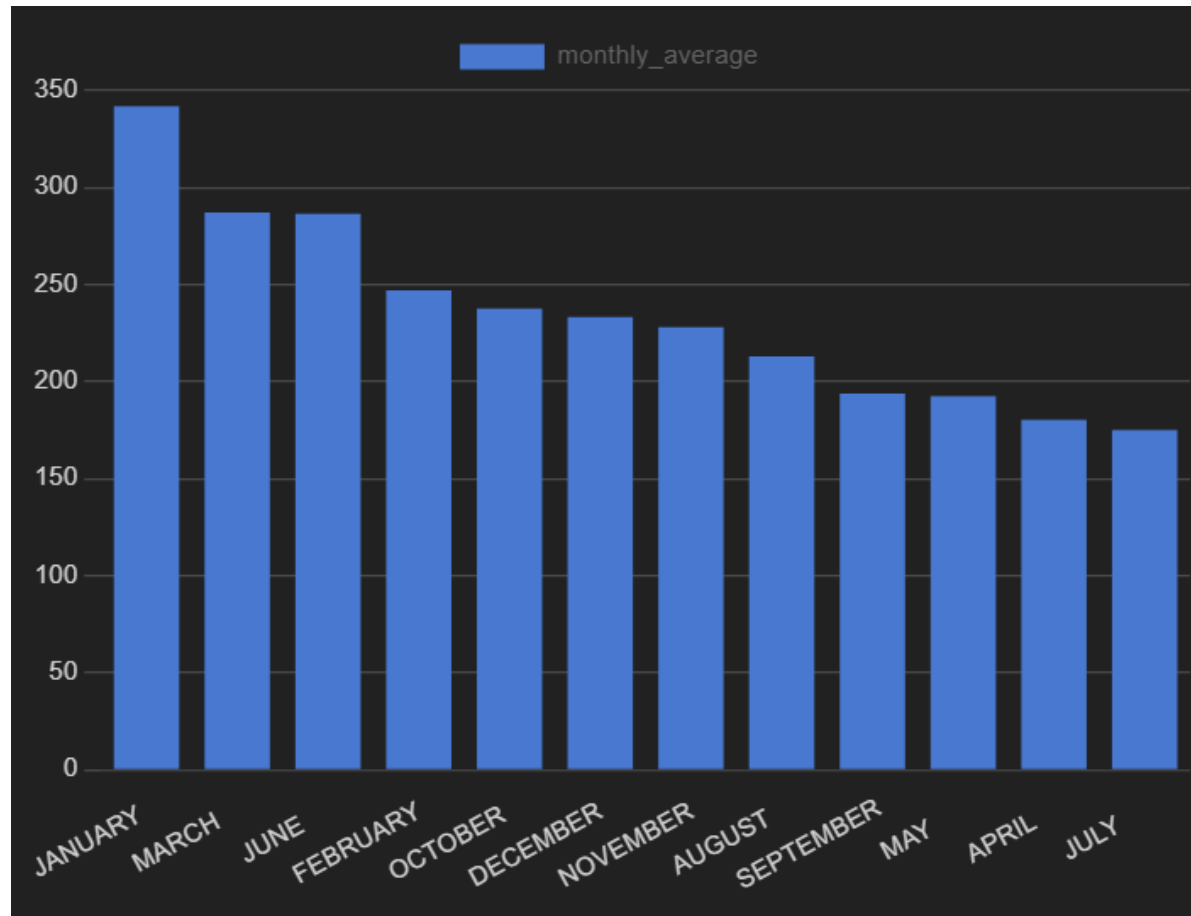# TIMESERIES ANALYSIS

Project Report

NAME : Thurkapally Anogna

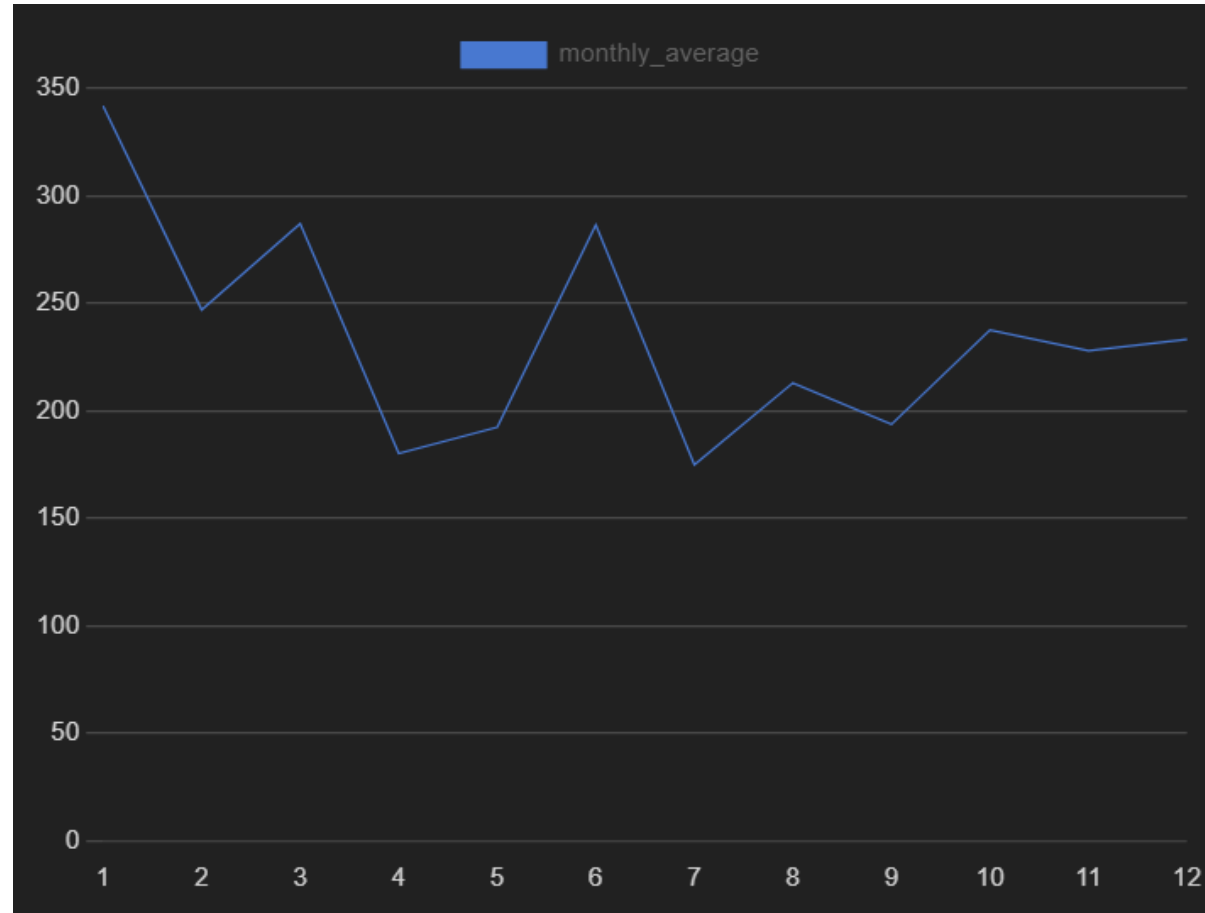Roll Number:ME19B180

ANALYSIS OF SUPERSTORE DATABASE
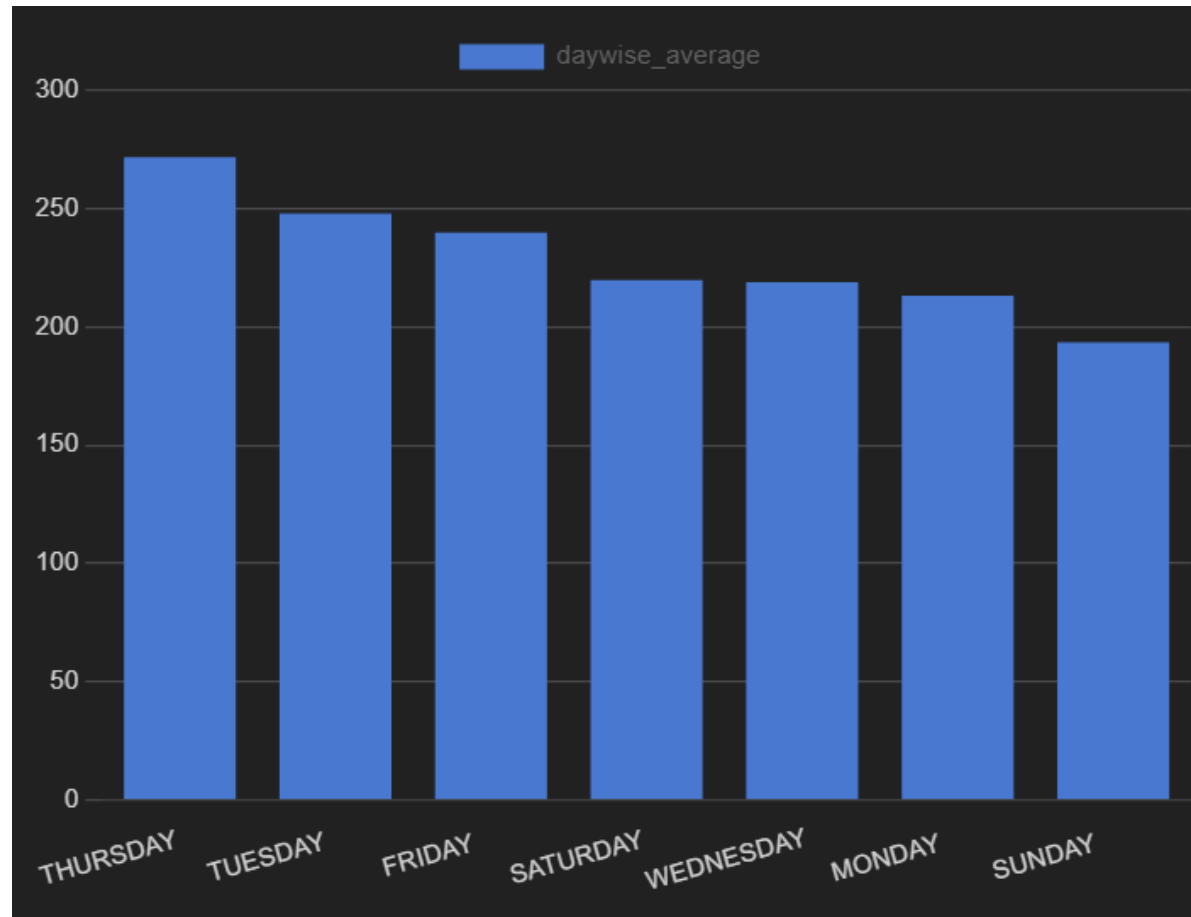
With 2000+ datapoints

MONTHWISE AVERAGE

Most number of sales are in January and less in July

MONTHWISE AVERAGE

January has the highest sales average and it is observed that there is increase in average sales for every three months until 6th month and in every two months in the next six months until December.
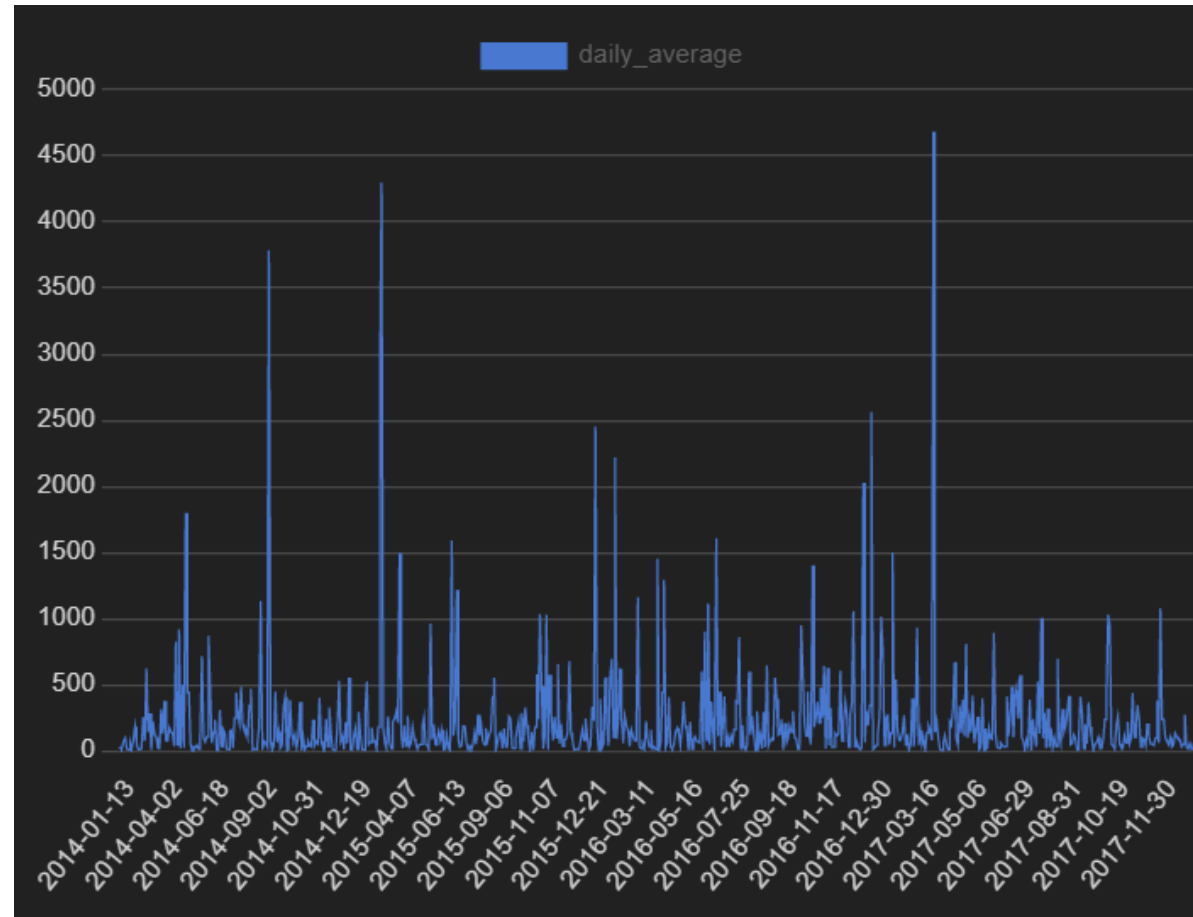
DAYWISE AVERAGE

Average sales are less on weekend and more on week days, mostly on Thursdays

TOP PRODUCT

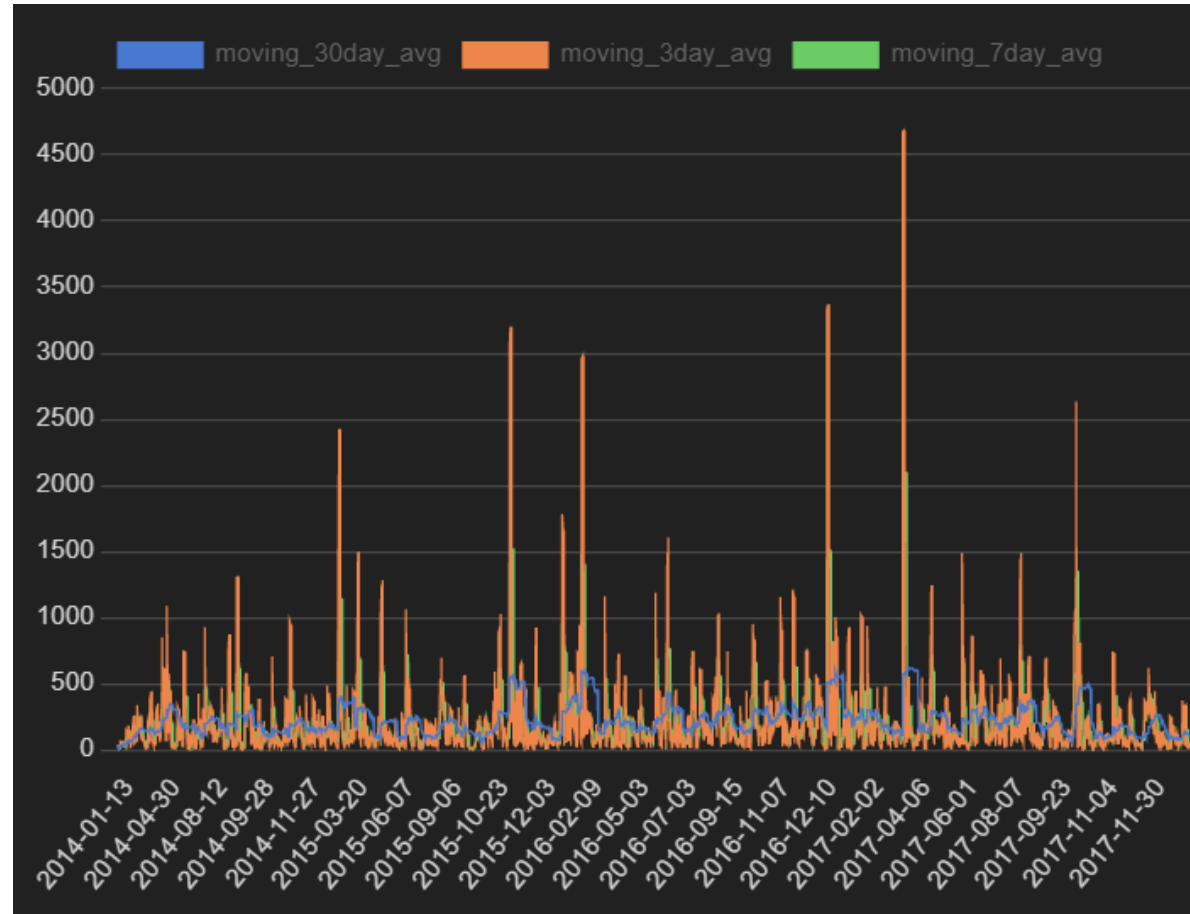|	order_date date	order_id character varying	product_name character varying	sales double precision	rank bigint
1	2017-03-23	CA-2017-140151	Canon imageCLASS 2200 Advanced Copier	13999.96	1
2	2016-12-17	CA-2016-117121	GBC Ibimaster 500 Manual ProClick Binding System	9892.74	2
3	2016-02-02	CA-2016-158841	HP Designjet T520 Inkjet Large Format Printer - 24 Color	8749.95	3
4	2017-10-13	CA-2017-135909	Fellowes PB500 Electric Punch Plastic Comb Binding Machine with Manual Bind	5083.96	4
5	2015-12-24	US-2015-128587	Canon PC1060 Personal Laser Copier	4899.93	5
6	2015-11-08	CA-2015-114811	Zebra ZM400 Thermal Label Printer	4643.8	6
7	2016-06-24	CA-2016-100300	Okidata MB760 Printer	4476.8	7
8	2015-11-08	CA-2015-117086	Riverside Palais Royal Lawyers Bookcase, Royale Cherry Finish	4404.9	8
9	2017-08-21	US-2017-102183	GBC DocuBind TL300 Electric Binding System	4305.552	9
10	2015-01-28	CA-2015-116638	Chromcraft Bull-Nose Wood Oval Conference Tables & Bases	4297.644	10

Canon imageCLASS 2200 Advanced Copier is the product with highest sales according to data therefore it can be considered as a top selling product on Superstore
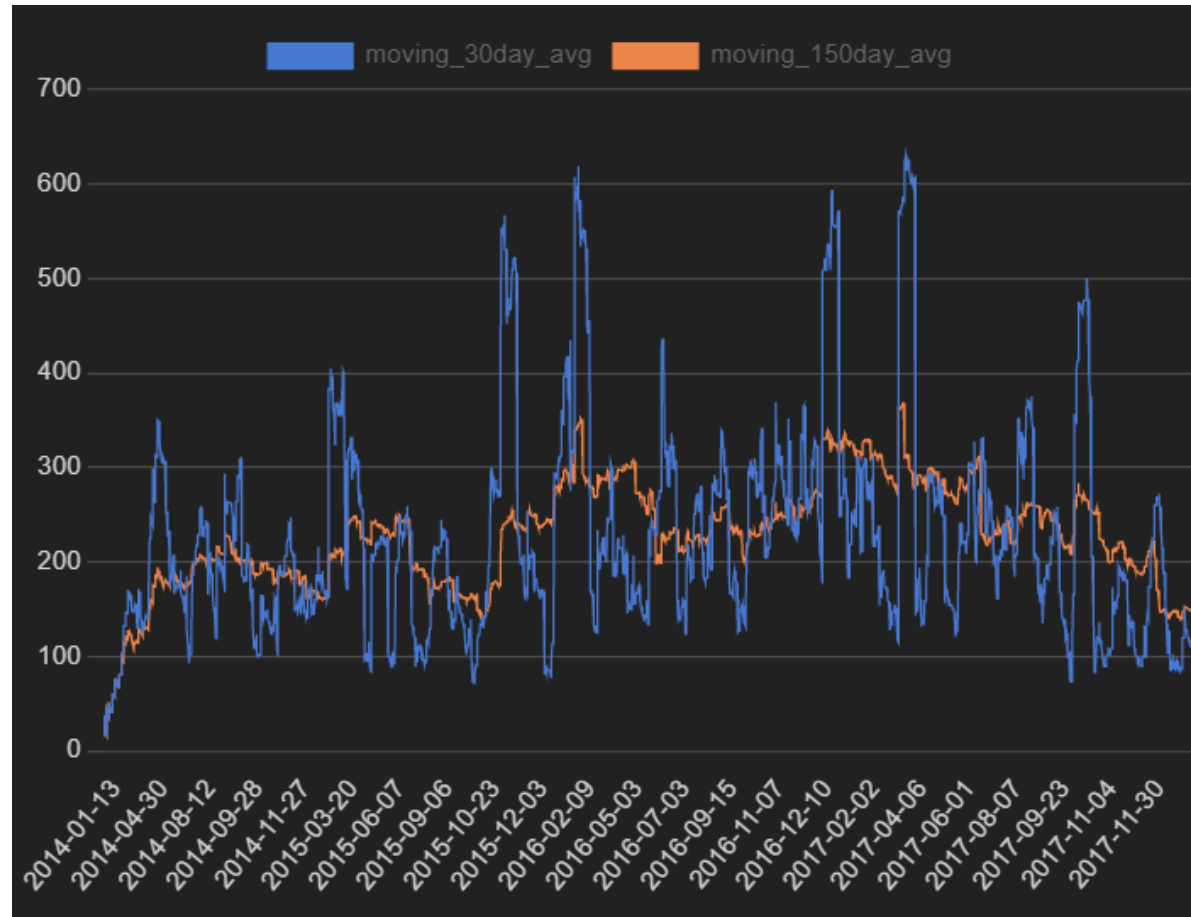
DAILY AVERAGE

There are lot many variations in average sales on daily basis in order to find trends in the sales moving averages are used

3day,7day,30day Moving averages

30day,150day Moving averages

THANK YOU!