# ML Forecasting Integrated Circuit Value



## Progress so far...

## Only Monthly data

Learned the monthly data is more suitable for forecasting.

#### Forecast method

Linear trend & Linear Trend with Seasonality. For 6 months IC exports value in the future.

#### Data

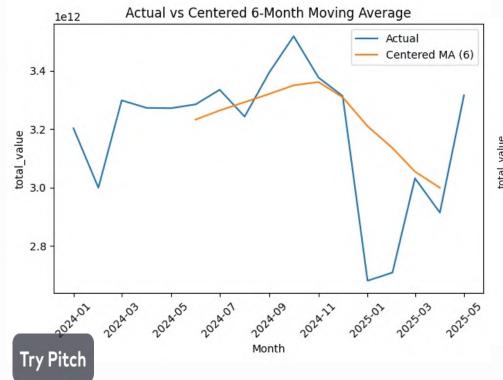
Have added 2024/1 - 2024/12 data with 100.000 rows

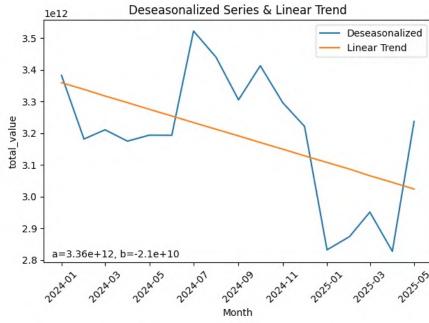
## Method

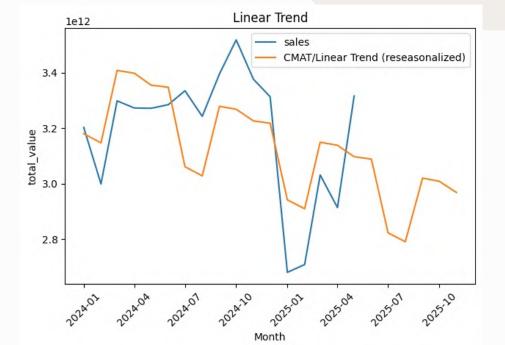




## Result so far







The result for linear trend is unsimilar with the actual data. which can be conclude the learning is not enough (not enough data to study)

## Next Progress

#### Take more data 5 years back

The lack of data has impacted the forecasting result inaccurate

## Consider another method of Forecasting (situational)

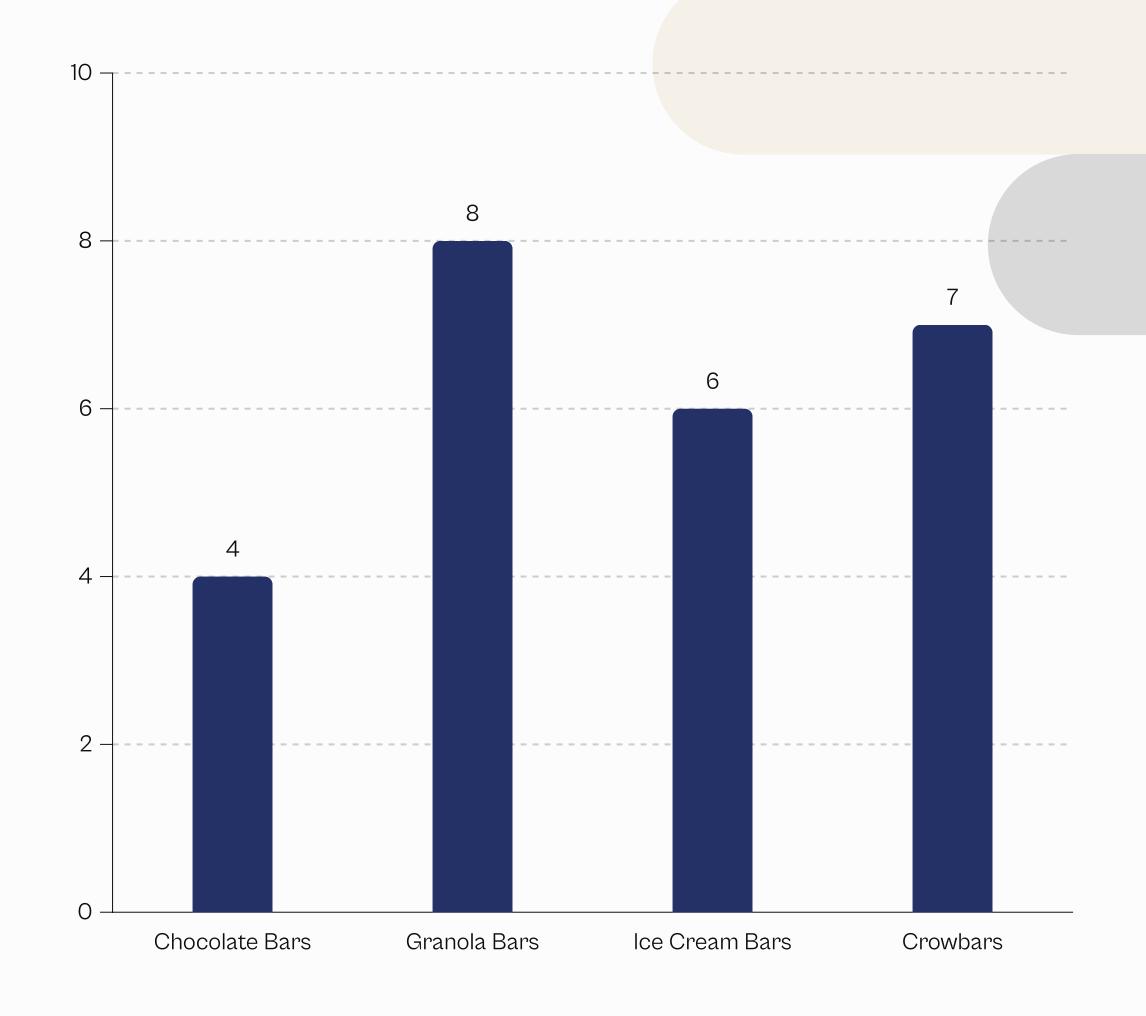
If the result for these two method has not satisfied, probably trying to compare with other methods

### Use other parameter to forecast

Will definitely use other parameter such as the average of export value, net weight sum & average in the final presentation

## Link Github Final Project Data Science

https://github.com/rfih/Dibimbing--DSDA/tree/fb93d1915b1cf5e6ba99b20e79b1
ccda9d4fd2a5/Final%20Project%20Data%20
Science





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