

KreditBee- Analyst/Senior Analyst Assignment

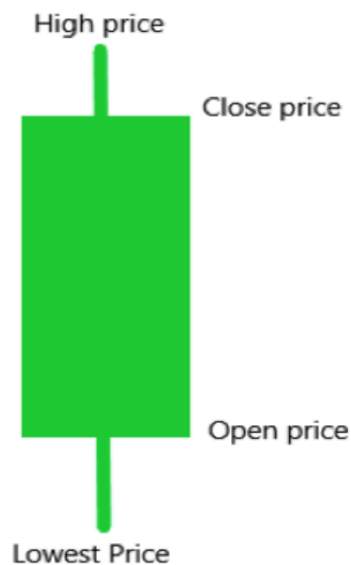
- 1) Analyse the EMI level data of an international lender with operations across the world and identify patterns in the data and make recommendations to improve the underwriting based on the bureau/banking variables.

You may use Excel/Python/SQL/Statistical Modelling or any other tools to come up with your insights.

Use the below data to make the analysis

<https://docs.google.com/spreadsheets/d/1s4PdYWB-VKfJa6HzH9uC50luOWd75Qw8/edit?usp=sharing&oid=114750913866705029135&rtpof=true&sd=true>

- 2) Use SQL/Python or any other tool to solve this problem
You are given OHLC Data of a 3 minute candle with a timestamp.
O - Open - Where price opens at start of 3mins
H - High - Highest point in 3 mins
L - Low - Lowest point in 3 mins
C - Close - Where price ends at end of 3mins



Ex: On 2023-11-20 at 10:09 to 10:27 there is movement of +0.47%(from the below picture)

You need to find all the Maximum movements ($\geq 0.3\%$) in each day within **shortest amount of time ≤ 90 mins and the timeframe should be different (let's say if you are saying there is 0.47% within 18 mins at 10:09 AM then next maximum movement should be out of this timeframe i.e., after 10:27 AM. (Movement can be +ve or -ve, if it is negative it should be $\leq -0.3\%$ within 90 mins)**



Note: Movement percentage is calculated from one candle close to another candle close. Here your problem solving capabilities are assessed, you can add, whatever work you have done.

ChatGPT is accessible for all and usage of ChatGPT can be easily detected, so build logic of your own.

You can use the below data

<https://drive.google.com/file/d/1Gx6vzO9UIsBM261xqEIoA2uk6IjY2D9q/view?usp=sharing>

Sample output:

Date	Start_time	End_time	Time_taken _mins	Movement_ perc
2023-11-20	20-11-2023 10:09	20-11-2023 10:27	18	0.47
2023-11-20	20-11-2023 11:00	20-11-2023 11:15	12	-0.37
2023-11-16	16-11-2023 14:54	16-11-2023 15:09	15	-0.67

You will get 3 days time to make your submissions. Please let us know in advance if you need any extended timelines.

For any questions/ clarifications please connect with Chandra on whatsapp at 8555833028.
Wish you all the best.