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| **Context** |
| The data is for retail client where customers buy products at a price. The delivery of ordered products may not be on sameday. |
| The client wants to plan better inventory so as to avoid stock build-up and at the sametime ensure he meets demands. |
| The client thinks, he can plan inventory if he knows what the sale would be in future |
| As a Data Scientist deployed in client location, you are provided with this historical data. How would you go about consulting? |
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| **Expectation** |
| Please validate data for consistency and clean, if required |
| Perform Exploratory Analysis |
| Please provide an approach to solve this problem |
| Suggest choices for models and justify your choice |
| You are free to use R/Python to solve this problem |
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| **Evaluation** |
| your Understanding of the problem and your knowledge on Data |
| your programming capabilities |
| your ML/Statistical Modeling capabilities |
| your presentation skills |
| your attention to details and your response |
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| **Note** |
| Please Share Code and Write up(assumptions, findings etc) |
| Answer what you are good at, Attempt rest of them. |
| There is no compulsion to answer all of them |
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