Day 7: Challenges in Machine Learning (20Dec, 24) be #1 Data Collection 1: sever (low M (misney or) tops 1) 4 In real world usage, we generally use API or web scraping to fetch the data. And it can be hard as we get diff. formats of data and sometimes it may be not requeste in (i begieser i palle notal smetting received 2. Insufficient, Data Labelled data: The quantity of data and labelled data can make or break a model. A bad model with huge I good data may outperform a good model with level bad data. y) Predict for unseem instances Predictions made wains 3. Non-Representative data: Due to missing data, our data may become biase This can be a very big sission or and in mer model is mained - less measured to work. 4. Poor Quality data: Tought you God ata is bad I not cleaned properly it can break the model borro 5. 5. Trrelevant Features: not minger placement (11) Having useless features can make unwanted effect on performance of model and also incuare cost of operation.

- 6. Overfitting:
 Feeding too much data which is not diverse.
 This can show good recults on test data but will fail in real world.
- T. Under fitting:

 Model is very vague and doesn't perform

 well in any scenario.
- 8. Software integration:

 In the end we want to make The model weful

 to the audience by implementing it in a

 software. There are a lot of challenges in

 doing This as many platforms don't support ML

 models yet.
- 9. Offline Learning / Deployment

 Discussed previously is Day-4'.
- Running a M2 model and training can be very expensive. A peploying on sever is very expensive. Planning to optimize is useful.