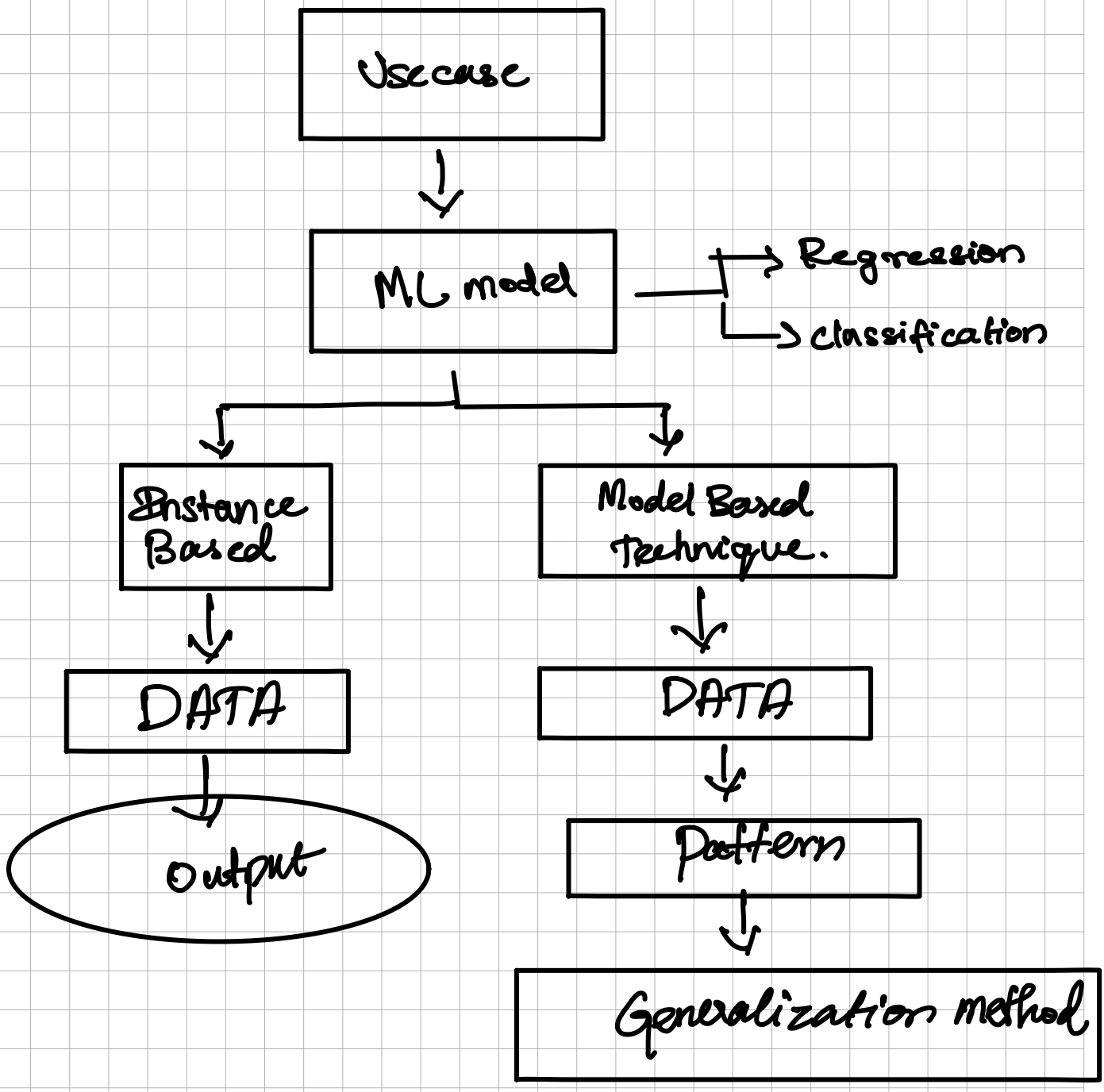
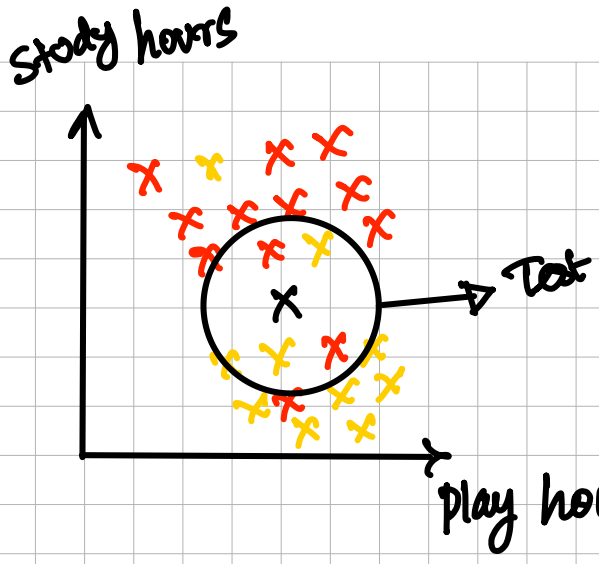
Instance based VS Model Based learning

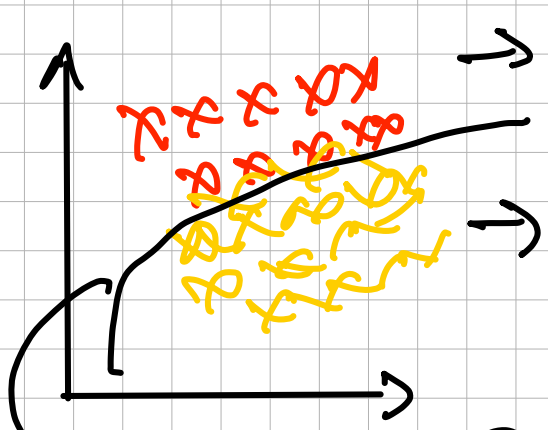




x → PASS
x → FAIL

Instance based learning
↓
Domain Expert

Instance Based learning



⇒ learn Pattern of the data.

Model Based learning

Conventional ML	Instance Based ML
→ Prepare the data for model training	→ Prepare the data for model training
→ Train model from the training data to estimate model parameters. i.e. Discover patterns	→ Do not train model. Pattern discovery postponded until the Scoring Query recieved.
→ Store the model in a suitable format.	→ There is no model to store.
→ Generalize the rules in the form of model.	→ No Generalization before Scoring.
→ Can throw away training data after training.	→ Data must be kept at each Query.
→ Requires a known model form.	→ may not have explicit model form.