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Bayes Theorem

Mach1: 30 wrenches / hr Mach2: 20 wrenches / hr Out of all produced parts: We can SEE that 1% are defective Out of all defective parts: We can SEE that 50% came from mach1 And 50% came from mach2 Question: What is the probability that a part produced by mach2 is defective = ?

- -> P(Mach2) = 20/50 = 0.4
- -> P(Defect) = 1%
- -> P(Mach2 | Defect) = 50%
- -> P(Defect | Mach2) = ?

Machine Learning A-Z