

Bayesian Linear Regression

Nipun Batra

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IIT Gandhinagar

MLE, MAP, Bayesian

Bayes Rule - 1

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- $\frac{P(+ | \text{User})P(\text{User})}{P(+ | \text{User})P(\text{User}) + P(+ | \overline{\text{User}})P(\overline{\text{User}})} = \frac{0.99 \times 0.005}{0.99 \times 0.005 + 0.01 \times 0.995} \approx .332$

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