



STATISTICS FOR DATA SCIENCE

Bernoulli and Binomial Distribution

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Mean and Variance of Bernoulli and Binomial Distribution - Derivation

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For Bernoulli Distribution:

$$\text{Mean} = p$$

$$\text{Variance} = p(1-p)$$

For Binomial Distribution:

$$\text{Mean} = np$$

$$\text{Variance} = np(1-p)$$

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Mean and Variance of a Bernoulli Distribution

Mean and Variance of a Bernoulli Distribution:



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Mean and Variance of a Bernoulli Distribution

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Mean and Variance of a Binomial Distribution:



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THANK YOU

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