Just as the expectation is analogous to the mean, it is possible to define the variance for a probability distribution so that is analogous to that of a dataset.

# For a dataset:

Variance 
$$= \frac{\sum f x^2}{n} - \bar{x}^2$$
$$= \sum (x^2 \times \left(\frac{f}{n}\right)) - \bar{x}^2$$

For a discrete random variable:

Variance, Var(X)

$$=\sum_{X}x^{2}P(X=x)-\left(E(X)\right)^{2}$$

# **Mei Statistics Discrete Random Variables Integral Answers**

Thirumalaisamy P. Velavancorresponding

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This book delves into Mei Statistics Discrete Random Variables Integral Answers. Mei Statistics Discrete Random Variables Integral Answers is a crucial topic that must be grasped by everyone, from students and scholars to the general public. This book will furnish comprehensive and in-depth insights into Mei Statistics Discrete Random Variables Integral Answers, encompassing both the fundamentals and more intricate discussions.

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