

Ch 5 Normal Probability Distributions Mathematic Page Free Pdf Books

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Lecture 2: Discrete Distributions, Normal Distributions

- Verifies 2 Properties - $F(x)$ Is Indeed Nonnegative - Area Under The Curve Is Indeed 1 (can't Integrate Normally But It Does Integrate To 1)
- Bell-shaped And Unimodal
- Centered At μ
- σ Controls The Spread - Larger σ , Wider Distribution - Smaller σ , Taller

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Chapter 5: Normal Probability Distributions - Solutions

In The Problem. For The Probability That $X \leq a$, Convert a Into A Z-score Using $Z = \frac{a - \mu}{\sigma}$ And Use The Table To Find The Area To The Right Of The Z-score. For The Probability That $X > a$