



![](_page_1_Figure_1.jpeg)

![](_page_1_Figure_2.jpeg)

![](_page_2_Figure_1.jpeg)

![](_page_2_Figure_2.jpeg)

![](_page_3_Figure_1.jpeg)

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![](_page_4_Figure_1.jpeg)

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![](_page_5_Figure_1.jpeg)

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![](_page_6_Figure_1.jpeg)

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![](_page_7_Figure_1.jpeg)

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![](_page_9_Figure_1.jpeg)

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![](_page_10_Figure_1.jpeg)

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![](_page_11_Figure_1.jpeg)

![](_page_11_Figure_2.jpeg)

![](_page_12_Figure_1.jpeg)

![](_page_12_Figure_2.jpeg)

## Standardizing

 If a variable x is from N(μ,σ<sup>2</sup>), then the standardized value of x, called a z-score is the following:

$$z = \frac{x - \mu}{\sigma}$$

• The variable *z* is from N(0,1)

![](_page_13_Figure_5.jpeg)

![](_page_14_Figure_1.jpeg)

![](_page_14_Figure_2.jpeg)

![](_page_15_Figure_1.jpeg)

![](_page_15_Figure_2.jpeg)

![](_page_16_Figure_1.jpeg)

![](_page_16_Figure_2.jpeg)

![](_page_17_Figure_1.jpeg)

![](_page_17_Figure_2.jpeg)