



Probability Distributions

- The probability distribution of X says how the total probability of 1 is allocated to the various possible X values.
- Commonly described using:
 - Probability Density Functions (pdfs)
 - Probability Density Curves























Example: Reaction Temperature

- The reaction temprature X (in °C) for a certain chemical reaction has a uniform distribution with A = -5 and B = 5.
- Compute P(X < 0)
- Compute P(-2.5 < X < 2.5)
- Compute $P(-2 \le X \le 3)$

