Continuous Uniform - Probability Between X-Values
Problem Setup: Your friend was waiting for you at the bus stop and just texted that you JUST missed the bus. You are hoping to join them to watch a movie. If you can catch a bus in the next 10 minutes, you will make it the movie on time.

- It takes you 2 minutes to pack up your stuff.
- It takes 1 minute to run to the bus stop.
- The times between busses are between 2 and 12 minutes
- The times follow a continuous uniform distribution

Question: What is the probability of making it to the movie on time?

Solution:


