



Hwk 6 Add 1: Investment Return

- The rate of return (X) on an investment is normally distributed with mean of 30% and standard deviation of 10%.
- What is the probability that the return will exceed 55%? Less than 22%?



Hwk 6 Add 2: Entrance Exam

- The time it takes to finish a standard entrance exam is normally distributed with a mean of 60 minutes and a standard deviation of 8 minutes.
- What is the probability that a student will finish the exam between 60 and 70 minutes?
- How much time does it take for 95% of the students to finish the entrance exam? Is the answer unique? Why?



Hwk 6 Add 3: Women Basketball Players

- The heights of young women follow $N(64.5, 2.5)$.
- A coach wants to select women basketball players whose heights are among the top 10% of the young women population. What's the minimum height to be selected?