

Section 10.3 — Example

Problem: I look at 6 fun packs of M&M's and see the following number of candies in the packs:

16, 18, 18, 19, 17, 18

1. Is it reasonable to assume that the data comes from a normal distribution?
2. Is there evidence to think that machine that fills the packages is set to fill an average of fewer than 20 to a pack?
3. Find a 90% confidence interval for the average number of M&M's per fun pack.