

1. What is your name?
Brock Francom
2. Write a paragraph that explains how you imagine Math 5710 proceeding so that we make a transition from discrete probability distributions (e.g., a binomial distribution) and continuous probability distribution (e.g., normal probability distributions) as we once transitioned from Riemann sums to integrals.

Well, since Riemann sums exist because we want to make smaller and smaller rectangles to get more accurate areas, I think the transition will be similar. Since it is usually impossible to sample every entity in a large population, we need to make estimates. If we increase the number of entities sampled in a sample, it is like dividing the area into smaller rectangles, and we can model our data better using a normal curve. Then we can make better predictions.

3. Smile.