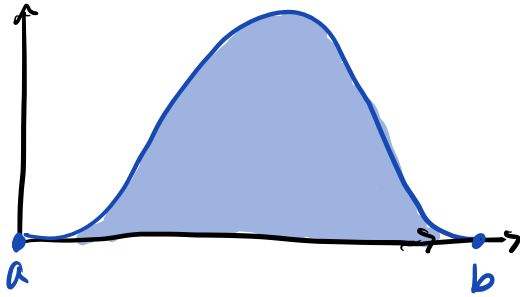


Lets look at distribution graph.



We know that the area under the distribution curve must = 1. Therefore

$$\lim_{x \rightarrow \infty} F(x) = 1.$$