

# Math 340: Lec 7 Big Ideas Journal (Law of large numbers)

Asa Royal (ajr74)

February 1, 2024

**Definition 1** (random variable). A **random variable**  $X$  is a mapping from sample space  $\Omega$  into  $R$ .

**Remark.**  $\mathbb{P}(X = 2)$  is essentially the probability that the random variable  $X$  outputs 2.