Intro. to Probability & Statistics
Tutorial 4

June 15, 2021

An MP3 player is set to play songs at random from the fifteen songs it contains in memory. Any song can be played at any time, even if it is repeated. There are 5 songs by B and A, 3 songs by B and B, 2 by B and C and 5 songs by B and D. If the player has just played two songs in a row by B and D.

1. What is the probability that the next song will also be by B and D?

2. What is the probability that the next two songs will be played by B and B?

A car dealer has the cars listed in the table below classified by type and color. If a car is selected at random, what is the probability that it is

	SUV	Sport Car	Van	Coupe
Black	35	10	25	15
White	10	15	20	5
Blue	15	15	5	30

1. a black or white?

2. blue or a coupe?

3. a black or an SUV?