ECS 165A Homework 3

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1. (a) As a set, the projection $\pi_{city}(Car)$ is:

City
33
38
30
40

   (b) As a bag, the projection $\pi_{city}(Car)$ is:

City
33
38
30
33
40
30
33

   (c) The average of the set projection $\pi_{city}(Car)$ is:

   $$\frac{33 + 38 + 30 + 40}{4} = \frac{141}{4} = 35.25$$

   (d) The average of the bag projection $\pi_{city}(Car)$ is:

   $$\frac{33 + 38 + 30 + 33 + 40 + 30 + 33}{7} = \frac{237}{7} = 33.\overline{857142}$$