Discrete Uniform Distribution

Problem statement

The number of books sold by a bookseller per day is given in 'bookseller.csv'.

Let

X = Number of books sold by a bookseller per day

X is a Discrete Random variable (because it represents the book count). Let's see the distribution of X and answer the below questions.

1. Find the probability that more than (or equal to) 96 books will be sold on a given day
2. Find the probability that less than (or equal to) 92 books will be sold on a given day

[ ] ↳ *2 cells hidden*

Continuous Uniform Distribution

Problem statement

IT industry records the amount of time a software engineer needs to fix a bug in the initial phase of software development in 'debugging.csv'.

Let

X = Time needed to fix bugs

X is a continuous random variable. Let's see the distribution of X and answer the below questions.

1. Find the probability that a randomly selected software debugging requires less than three hours
2. Find the probability that a randomly selected software debugging requires more than two hours
3. Find the 50th percentile of the software debugging time

Reading the Data into the Dataframe

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