

Q4 Discuss Descriptive and Inferential Statistics of above dataset.

Descriptive Statistics:

In descriptive statistics, On the collected data we discuss about the data and talk of about observation that can be clearly seen in data such as Unit sold by each author, which book sold in which year.

Characteristic Properties of data using mean/median/mode

for Units Sold

Data of Units sold

• Min : 37

lowest no. of books sold is 37.

• Median : 6226

It lies in the centre of high & low

• Mean : 9643

It is average no. of books sold

• Max : 61133

Highest no. of books sold by any author

## Inferential Statistics:

In inferential statistics a data is collected and is analyzed to make judgements or claims about the sample. for example. which year had longest no. of books released, which author had highest no. of books sold

### hist (Data & Year)

This graph shows No. of books released every year.

- and 2009 was most promising for books. and there is gradual decrease in books released

### stripchart (Data & Price)

- This graph shows most books are released in price range of 10 to 40 £. and very less books are sold in price of 100£.

### boxplot (Data & Units-sold)

Book by J.K. Rowling has highest no. of units sold.

### piechart (Data & Genre)

People prefer Fiction over non-fiction