

Module: Data Visualisation

Problem Set 2

Topics Covered: *Stacked bar charts, clustered bar charts*

Exercise 1. A bank carried out a survey of 500 customers in relation to four areas of customer service, with the following data collected

Service	Satisfied	Dissatisfied	Undecided
Banking Fees	150	200	150
Overdraft Facilities	289	122	89
Credit Card Services	275	165	60
Online Banking	305	92	103

Using the data given in this table, answer the following:

- (i) Identify the type of data given.
- (ii) Identify the classes in this data.
- (iii) Construct stacked and clustered bar plots to represent this data.
- (iv) Which plot conveys the data more clearly?
- (v) Is there any trend obvious from the chart?

Exercise 2. A computer retailer summarises its quarterly sales by computer make and sales point, with the following data collected:

Make	Online Sales	Store Sales	Corporate Sales
Apple	210	155	35
Asus	335	278	55
Fujitsu	188	205	75
HP	236	351	65
Lenovo	225	321	144

Using the data given in this table, answer the following:

- (i) Identify the type of data given.
- (ii) Identify the classes in this data.
- (iii) Construct stacked and clustered bar plots to represent this data.
- (iv) Which type of bar plot represents the data more clearly?
- (v) Is there any trend obvious from the chart?