

Exercise No: 5

Data Visualization using R

Sr.No	App	Category	Rating	Reviews	Size(mb)
No1	Flow Free	GAME	4.3	1295625	11
2	Zombie Catchers	GAME	4.7	990796	75
3	Gems or jewels ?	GAME	3.7	171448	13
4	Candy Crush Jelly Saga	GAME	4.3	1300619	78
5	Jewels Star: OZ adventure	GAME	2.5	21892	14
6	Hungry Shark Evolution	GAME	4.5	6074627	100
7	Pdf Book Download	BOOKS	4.4	1322	3.5
8	Free Book Reader	BOOKS	3.4	1680	4
9	eBoox new	BOOKS	4.9	2739	21
10	Golden Dictionary (EN-AR)	BOOKS	4.4	51269	6.1
11	All Language Translator Free	BOOKS	3.4	30105	2.1
12	Azpen eReader	BOOKS	3.5	156	42
13	ADP Mobile Solutions	BUSINESS	1.3	85185	29
14	OfficeSuite	BUSINESS	4.3	1002861	35
15	Job Search by ZipRecruiter	BUSINESS	4.8	148945	25
16	Google Primer	BUSINESS	2.4	62272	18
17	SuperLivePro	BUSINESS	4.3	46353	21
18	TED	EDUCATION	3.6	181893	18
19	English Communication	EDUCATION	4.7	2544	18
20	Khan Academy	EDUCATION	4.6	85375	21
21	Learn English with Wlingua	EDUCATION	2.7	314299	3.3
22	Princess Coloring Book	EDUCATION	4.5	9770	39
23	English Grammar Test	EDUCATION	1.8	4075	5.1
24	Speed Reading	EDUCATION	4.6	10611	11
25	English for beginners	EDUCATION	2.6	9321	27

Consider above AppStore dataset and solve following problems:

1. Install package ggplot and import it
2. Draw pie chart for showing size require for different education application
3. Draw histogram for ratings of e-books apps with proper labeling.
4. Draw bar chart for showing app-wise rating with proper labeling.
5. Revel the relationship between rating and reviews of business apps
6. Draw bar char for showing category wise application count.
7. Find the frequency distribution of app category.
8. Draw bar graph of education app categories from AppStore dataset.
9. Find the relative frequency distribution of app categories.
10. Draw the scatter plot of reviews and rating given to education app. Does it revels the relationship between variables? If yes which type of relationship.
11. Find the cumulative frequency distribution of the rating in AppStore
12. Determine total number of applications having rating below 3.5.