BUSINESS ANALYTICS ASSIGNMENT

A WIND Y

- Proveen kumor 22MBA A44.

Exercise-1

Create demographic factors for 20 employees of an organisation feed the data on variable ' view. name your data set and save it.

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To create a demographic factorie for 20 employees of an organisation. Freed the data in variable view. name the data set and lave its.

Algorithm

step 1: open spss application

Step 2: Go to rarrables view and enter the rangables with ratues. types and measure.

Step 3: Go to satariew.

Step 4! Enter the values for so employees in the data view.

step 5; Go to file from SPSS menubar. step b; dick on some as and enter the file rane and select file type as sar select the location and save approximately.

Step 7! verify the exercise.

Exercise 2 Using the dataset employee sour. Run description and frequencies for the variable Cage, Gender, qualification, saldry and experiences) Ain: To run descriptures and frequencies for the variables of the employee saw dataset. Algorithm
Happy open The Spssapplication stepli 90 to variables view and enter the ratiables with rames , type and measure. 8tep 3? Gp to data riow, enter therake for to employee. step 4°; wick analyze for spes menu bor-select descriptive statistics - descriptive step 5: Sefect options and select the appropriate descriptive options. step 6 click continue and ok stept: verify the autput of descriptione steps. Again, click analyze - select descriptive States ties - sefect frequencies. Step 9: Select The variables- go to charts and Select the appropriate charle.

Exercise 3

He eng the data set employee san. Draw a pic chart showing the gender and arow a Har chart for salary.

Aim: To draw a pic chevt showing the gender and bor chart for salary vering employee sow dataset. dataset.

Algorithm:

Appl; open spss application

steps: Feed The data in the data view.

step3; Wick analyze - descriptive statisties select frequencies.

Step 4: select or drag and drop genderrariable Step 5: 60 to chart and select pie chart.

step 6: click continue and go

Stept: Goto analyze again. thus descriptive

cteps: drag and drop salary rariable

step 9: 90 to charts - select bar chart.

Steplo: elick continue and ok.

Step 11: verify the pic chart for gander and bare chart for salaxy in the output screen.

Exercise 4: Preparte a data file en spss with relevant variable using appripate scape. relevant toriables asing appropriate scales Algorithm Step 1: open spss application Step 21 Goto variable view and enter The ratable auth rame and Type. Step 3: Select the appropriate measure from the aviable scales crominal, ordinal and scale) step 4. verify the appropriate scales are appropriate. step 5: 90 to data now and okate a data file as required.

txextse-5. picpare a line chart presenting the total number of internet users. number of usban and tural wers corresponding to months and your Display ratues on the graphs of the respective Aim; to create a live than presenting the total number of enternet users. number of butan and varal users corresponding to respective month and years. Algorithmi step 1: open sps application step 2: go to pariable new and enter the values and type. Thep 3: go to data view and god the data of enternet users. Step 4: 90 to graphs from menu bar - select kgacy dialogs - line chart on graphs. step 5: cuck on multiple and select ratue of individual cases and with define. Atep o's select The line reprenets and select month a year variable and under estegory labels and click ok.

Exercise: 6 prepare elustered and stocked par the harts by using data as mentioned in the charts touble. Annocreate clustered and stacked bor for the internet users dataset. step 1: open SPSS application. Step 2: Feed the Internet user data in the step 3; go to graph from menu par-legacy dialog-Bar data hew. step 4: click on austered and select palue & individual cases and click defene. oftep 5: select the bar represents and select month and year as rasiable under Category whele and click ok steps: Follow the above procedure for stacked par chart. Instead of dusterell select stacked. step 7: rerify the created duetered and Stocked bor chart.

Exercise-4 Is there a difference petusen male and finale differ on their ginon to wards pocessed convenience food? use Relependent sample testand formulate Lypothesis to detertine obether The population differ on Their opinion towards processed conticible food rejor declared independent sample test anovarison Ain'to formulate pyrothesis veing independ Sample per, anoma to find opintion of population towards commisee food bosed on gender. Algorithm Step 1: open SFSS application stopd: feed the data in the data view Mp 3i goto aralyse from the menu boxcompare means - independent sample test Stop 4: Drag and drop the appropriate test pariable and select the grouping ranable of gerder. Steps: Fill me appropriate rames in The define groups. stepbi

Exercise -8 use one way ANOVA and formulate differ in opinion towards processed convenience Arora to find opphion a from different age groups towards processed convenience Algorithm: step 1: open The SPSS application. Feed the data in the data view Step 1: Step 3: Go to analyze from The menu barcompare means - one may ANOVA Dong and drop the appropriate test Step4 and select the grouping pariable rarrable Fill the appropriate values in the step 5; graple define wick ob. Step 6. verify the autput and interpret using Step 7: significance promone-way ANOVA table.

Exercise 9; Wick the whether the number of words revalled before training and after training are normally distributed on the dataset poe there any altring on this scale that you would be concerned about? Are scores normally destructured for oach group Ain't To run normality test for The datest to find out whether the scores are normally distrubted for each group. Algoritmistepl: opensoss application. Step 2: Feed the data in the date Now step3: 40 to analyge - descriptine statisties emplore step 4° trag and drop the parable in dependent ust Step 5: Go to statistics - select descriptines 2 set confidence internal as 45%. - check outiliers and prenentles. Step 6: Go to plots - select nomality plots with tests.

Step 7: click continue and ok Step 8: Again go to analytic Statistics - frequencies Step 9. Select both the banable 190 to charts school histogram and check show normal aure on Histogram. Step 10: which continue and ok. Step 11: reinfy the test of nometity take, nominity Plate and robinal work on Hetogram.

Exercise 10 Perform a parredsample test on the dataset fromulate the rull and alternate Lyngthesis what is the mean difference Letings the two average? Is this deferent significant? why? will you augst or reject the hull hypothesis? Why! population have any impact in the scores of the students before and after training Aim: To formulate hypothesis and perform a paired sample t- test Algosithm. Open The SPSS application feed the data In the date view Step 2: goto analyse - compare Step3: nears - paired sample I-test Step 4: prag and drop the appropriate paired variable elik ok Steps: Step 6: 90 to analyze again- Lon parametric Tests-independent sample. Step 6:

Step 8: prag the appropriate majables in text field and groups step 9: click hun and intrepret. Step 10: resify the paired sample t-test and hon parametric test which has been performed.

Exercise: 11 perform a one sample t- test on the dataset wite down hull and alternative hypothesis for one-sample t-test is the 194 10th udents Khown on the taske different from 194 123? To sun a one sample & test for the dataset. Algorithm: open spss application need the data in the autorier Step 2: Step 3: 600 to analysis compare meantone sample t-test Step4:

Select Iq pariable

enter 125 in the test rate step 3.

wick of Step 6:

terify the output Step 7: