(To be filled b)	candidate has attempted the another and same as Signature of Invigilator:
It is certified that I have verified that I	Signature of Invigilator:
Signature of Neutral Examiner.	- A Comment of Enviolence
Name of Neutral Examiner	Name of Invigilator.
on Suppose you have to deal with a	dataset. In this case, you will use the "USArrests"
cataset provided by R. You have to perform data transformati	on in the following ways :
was distinguished from reserving on Sunices.	
	in and plot their frequency distribution plot.
veriables and categorical ones.	S" dataset that consisting of a mix of continuous
Pletem the following tasks: all (In which variables you would apply	Barplot and Histogram
b) Those the visualization through dash	
neighborhood	vorking for a local government agency. ting the demographics of the residents in a particular
a) What is the median murder rate in the	write a program to answer the following questions:
residents with a high school education	tionship between assault rate and percentage of or higher.
lataset part marketing analyst for a	
Write a program to compare the weight	"S rotalier. Using R's built-in "ChickWeight"
THE WEIGHT	Agin of the

the weight gain of chicks fed a high protein diet versus those Use a suitable plot to visualize the comparison of weight gain of chicks fed a high protein

form the following activity:

"Titanic" dataset to create a bar plot of the proportion of Survivors for each pass

e you are a financial analyst for a bank. Using R's built-in "LifeCycleSav form following executions: a) Write a program to compare the savings

table visualization that will demonstrate the comparison of savings rate

The Examiner	Name of Invigilator:
Signature of Neutral Examiner.	Name of Invigilator:
Examiner.	menotes and visite UID:
Name of Neutral	"I ISArrest
	taset. In this case, you will use the "USArrest
UID to deal with a da	taset. In this coost,
or Suppose you have to dear	: every principle ways
ANTHREE DIGGE AND MAKE TO STORY OF THE PARTY	W the tollowns
On Suppose you have to dear this details provided by R. details provided by R. You have to perform data transformation you have to perform data transformation as abbreviate the names of states.	W W states button plot.
By Militarian and analysis and some	- Let thair fraguency distribution
to Select the frequency of the vowers and	and plot their frequency distribution plot. and plot their frequency distribution plot. dataset that consisting of a mix of continuous
was working on TRIS	dataset that consisting
oz Suppose you are working to see yanables and categorical ones.	
Perform the following tasks Perform the following tasks a) On which variables you would apply a) On which variables you would apply	Barplot and Histogram.
a) On which variables you would apply b) Show the visualization through dash	board.
BU SCHOOL STAFF ACCOUNT	and anoncy.
On Suppose you are a data analyst w	orking for a local government agency. Fing the demographics of the residents in a particular the following question
Your team has been tasked with army.	to answer the following question
Using R's built-in "USArrests" dataset.	write a program to answer the following question ne neighborhood?
all What is the median murder rate in the	ationship between assault rate and percentage
residents with a high school education	on or higher.
	clothing retailer. Using R's built-in "ChickWe
delesel perform the following activity	es'
a) Write a program to compare the wei	ight gain of chicks fed a high protein diet vers
b) Use a suitable plot to visualize the o	comparison of weight gain of chicks fed a hig
versus those fed a standard diet	
Q5 Perform the following activity:	
Use the "Titanic" dataset to create a b	ar plot of the proportion of Survivors for e
class. Show the representation throug	h dashboard
Q6 Suppose you are a financial anal	vist for a bank. Using R's built-in "Life(
diaset, perform following execution	s: a) Write a program to compare the
ndividuals in different income brack	ets?
Create a suitable visualization that	will demonstrate the comparison of
ividuals in different income bracket	e?
and an anicional modifie bracket	

	Name of Neutral Examiner:	Name of Invigilator:
	UD	nally, create a vauntention to diagray the element
	You have to perform data transforms	dataset. In this case, you will use the "USArrests"
	Abbreviate the names of states. Select the states that contain the N	eper P.
	as amount of magnetics of the vowels	in and plot their frequency distribution plot.
	PROTEIN DISTRICT PROPERTY AND ADDRESS.	IS" dataset that consisting of a mix of continuous
	a) On which variables you would apply a) Show the visualization through dash	soowing.
PER S	tents with a high someth to show the relation	OF SOME SIFE PROPERTY.
TOSEL	perform the follow	hing retailer. Using R's built-in "ChickWeight"
ndard a suit	program to compare the weight ga	in of chief-
hose i	fed a standard diet the compari	hing retailer. Using R's built-in "ChickWeight" ain of chicks fed a high protein diet versus those fed
Tho	£	guil of Chicks food a bit
l are	oresentation through dashboa	the proportion of Survivors for each passenger
follo	wing executions: a) Main	ank. Using R's built-in "LifeCycleSavings"
Visua	alization that will a	ank. Using R's built-in "LifeCycleSavings" a program to compare the savings rates of
inco	me brackets?	rate the comparison of savings rates of

Q7 You are a data analyst for a car manufacturer. Using R's built-in "mtcars" dataset, perform following executions:

a) write a program to determine the average miles per gallon for each car in the dataset.

- b) Create a suitable plot to visualize relationship between average miles per gallon for each car?
 - Q8 Suppose you are working with "iris" dataset. Perform the following activities:
 - a) Write a program to show that this dataset contains significant differences in petal length between the three species of iris flowers (setosa, versicolor, and virginica).
 - b) Demonstrate with the help of boxplot, the differences in petal length between the three species of iris flowers.
 - Q9 Suppose you are dealing with "mtcars dataset". You need to perform following tasks:
 - a) You have to find out the relationship between the horsepower and miles per gallon for cars.
 - b) Create a scatter plot to visualize the relationship between horsepower and miles per gallon.
 - c) Add a trend line to the scatter plot to visualize the strength of the relationship.

Q10 Use "mtcars" datatset. Answer the following questions:

- a) Write a program to analyze the difference between average fuel efficiency of cars based on their transmission type (automatic vs manual)?
- b) Finally, create a visualization to display this information using boxplot? -- End of Question Paper --