

```
1 Course Project Presentat
2 =====
3 author: Sibsambhu Kar
4 date: 22nd March, 2015
5
6 slide2
7 =====
8
9 **objectives**
10
11 - Analyze variation of n
12   various parameters
13 - Predict mileage of veh
14
15 *data summary*
16
17 summary(mtcars)
18
19 slide3
20 =====
21 **MPG vs number of cyl
22
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```

Type 'q()' to quit R.

[workspace loaded from ~/.RData]

```
> publish(title = 'ddp_present
)
Error: could not find function
> |
```

Course Project Presentation

Sibsambhu Kar
22nd March, 2015

presn.Rpres *

ABC ? Prev

```

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9 **Objectives**
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11 - Analyze variation of n
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14
15 *data Summary*
16
17 {r}
18 summary(mtcars)
19
20 Slide3
21 =====
22
23 **MPG vs number of cyl
24
25 {r,echo=FALSE}
26 mpg_variation<-lm(mtcars
27   par(mfrow=c(1,2),mar=c(4
28   plot(mtcars$cyl,mtcars$m
29   ="black",cex=1.1,nch=21)
30
31 23:2 Slide3

```

Console ~/ ↵

Type 'q()' to quit R.

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Slide2

Objectives

- Analyze variation of mileage (mpg) of mtcars data with respect to various parameters
- Predict mileage of vehicle for a given parameter

data Summary

```
summary(mtcars)
```

	mpg	cyl	dis
hp			
Min.	:10.40	Min. :4.000	Min. :
71.1	Min. : 52.0		
1st Qu.:	15.43	1st Qu.:4.000	1st
Qu.:120.8	1st Qu.: 96.5		
Median :	19.20	Median :6.000	Median

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9 ****Objectives****

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11 - Analyze variation of n

12 various parameters

13 - Predict mileage of veh

14

15 ***data summary***

16

17 `{r}`18 `summary(mtcars)`

19

20 Slide3

21 =====

22 ****MPG vs number of cyl**

23

24 `{r, echo=FALSE}`25 `mpg_variation<-lm(mtcars`26 `par(mfrow=c(1,2),mar=c(4`27 `plot(mtcars$cyl,mtcars$m`28 `= "black", cex=1.1, nch=21`

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Console ~/ ↻

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> publish(title = 'ddp_present

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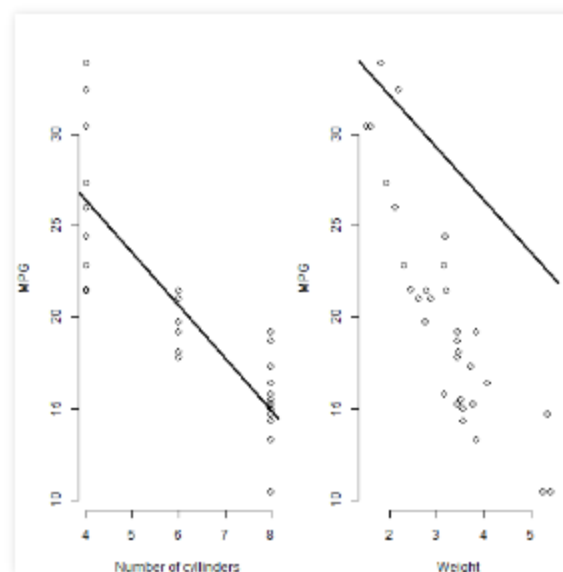
Error: could not find function

>

>

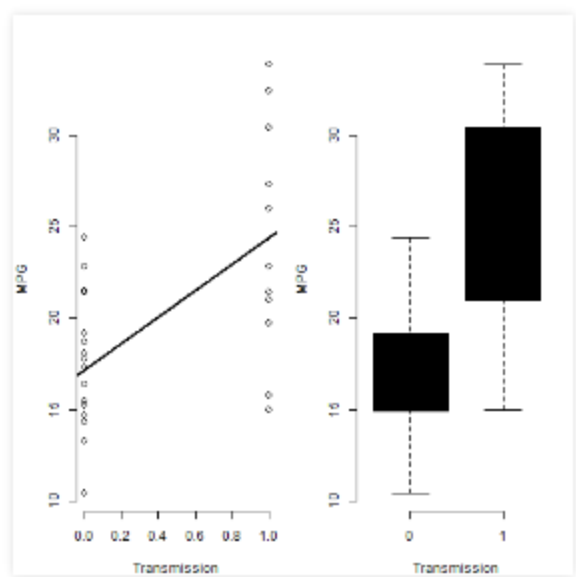
Slide3

MPG vs number of Cylinder & weight



Slide4

MPG vs transmission



Slide5

** Prediction & Conclusion**

	1	2	3	4
6	7	8		
20.62984	20.62984	26.38142	20.62984	14.87826
20.62984	14.87826	26.38142		
	9	10	11	12
14	15	16		
26.38142	20.62984	20.62984	14.87826	14.87826
14.87826	14.87826	14.87826		
	17	18	19	20
22	23	24		
14.87826	26.38142	26.38142	26.38142	26.38142
14.87826	14.87826	14.87826		
	25	26	27	28
30	31	32		
14.87826	26.38142	26.38142	26.38142	14.87826
20.62984	14.87826	26.38142		