

README

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Submission file include:

- README.html # introduction and explain for the application
- README.Rmd # introduction and explain for the application
- README.pdf # introduction and explain for the application
- ui.R # ui file for application
- server.R # server file for application.
- panel.png # for README file

Information can also be found <http://foxet.github.io/ProjectApp-For-Developing-Data-Products/README.html> —————

Instructions:

- **ProjectApp** is a shiny application for Coursera Course Project of [Developing Data Products](#)
 - This is also my first shiny application
 - **ProjectApp** is used for exploring the relationship between a set of variables and miles per gallon (MPG).
 - **ProjectApp** is very simple, but I think it's good.
 - The application has been hosted on shinyapps.io, [click here](#)
 - More information can be found at <http://rpubs.com/foxet/60572>
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Data:

- The data was extracted from the 1974 Motor Trend US magazine, and comprises fuel consumption and 10 aspects of automobile design and performance for 32 automobiles (1973–74 models)

##	Names	Description
## 1	mpg	Miles/(US) gallon
## 2	cyl	Number of cylinders
## 3	disp	Displacement (cu.in.)
## 4	hp	Gross horsepower
## 5	drat	Rear axle ratio
## 6	wt	Weight (lb/1000)
## 7	qsec	1/4 mile time
## 8	vs	V/S
## 9	am	Transmission
## 10	gear	Number of forward gears
## 11	carb	Number of carburetors

Examples:

- Go to my website: <https://foxet.shinyapps.io/ProjectApp/>
- you will see a panel on the left is for selecting predictors and make set some option. the plot on right side is showing the relationship between the MPG and selected predictor.
- Example: Choose one of the predictor, let's say 'Gross horsepower', and choose 'Add a smoothed condition mean', then click "*PLOT*". now you can see the plot on the right look just as the plot below:

Miles/(US) gallon prediction

Select Predictor

Gross horsepower ▼

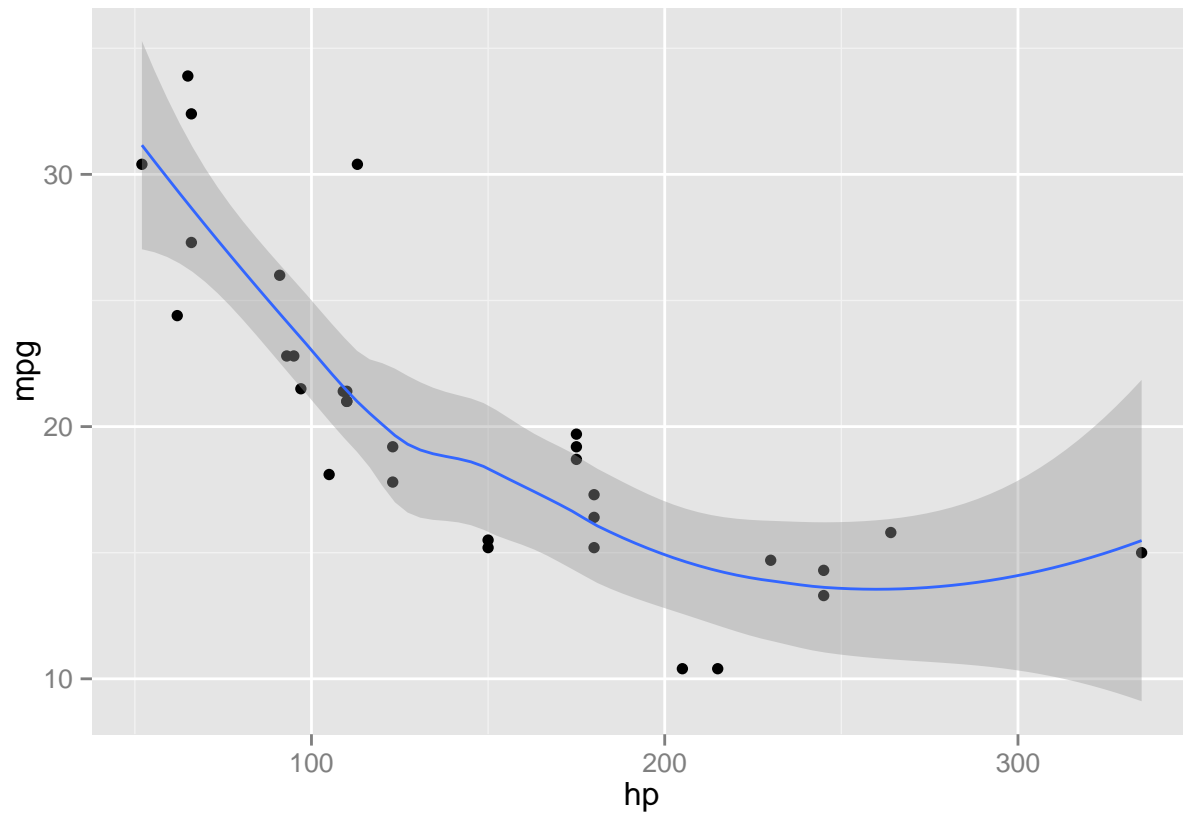
Select Factor

- ☒ No Factor
- ☐ Number of cylinders
- ☐ V/S
- ☐ Transmission
- ☐ Number of forward gears
- ☐ Number of carburetors

Options

- ☐ Add a smoothed conditional mean

PLOT



- You can also explore the relationship between MPG and ‘Gross horsepower’ by different “Number of cylinders.”
- just select variable on ‘Factor panel’ now you can the plot as follow:

