

# Rmarkdown course - practical

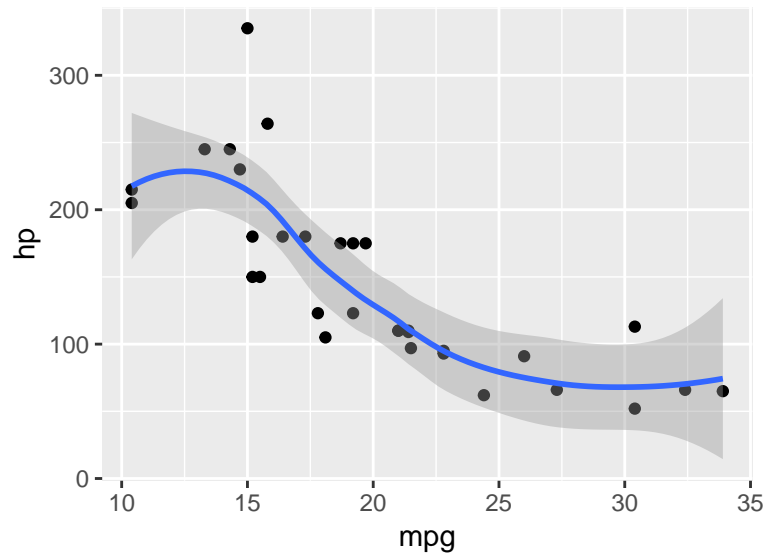
## Overview and tasks

### Contents

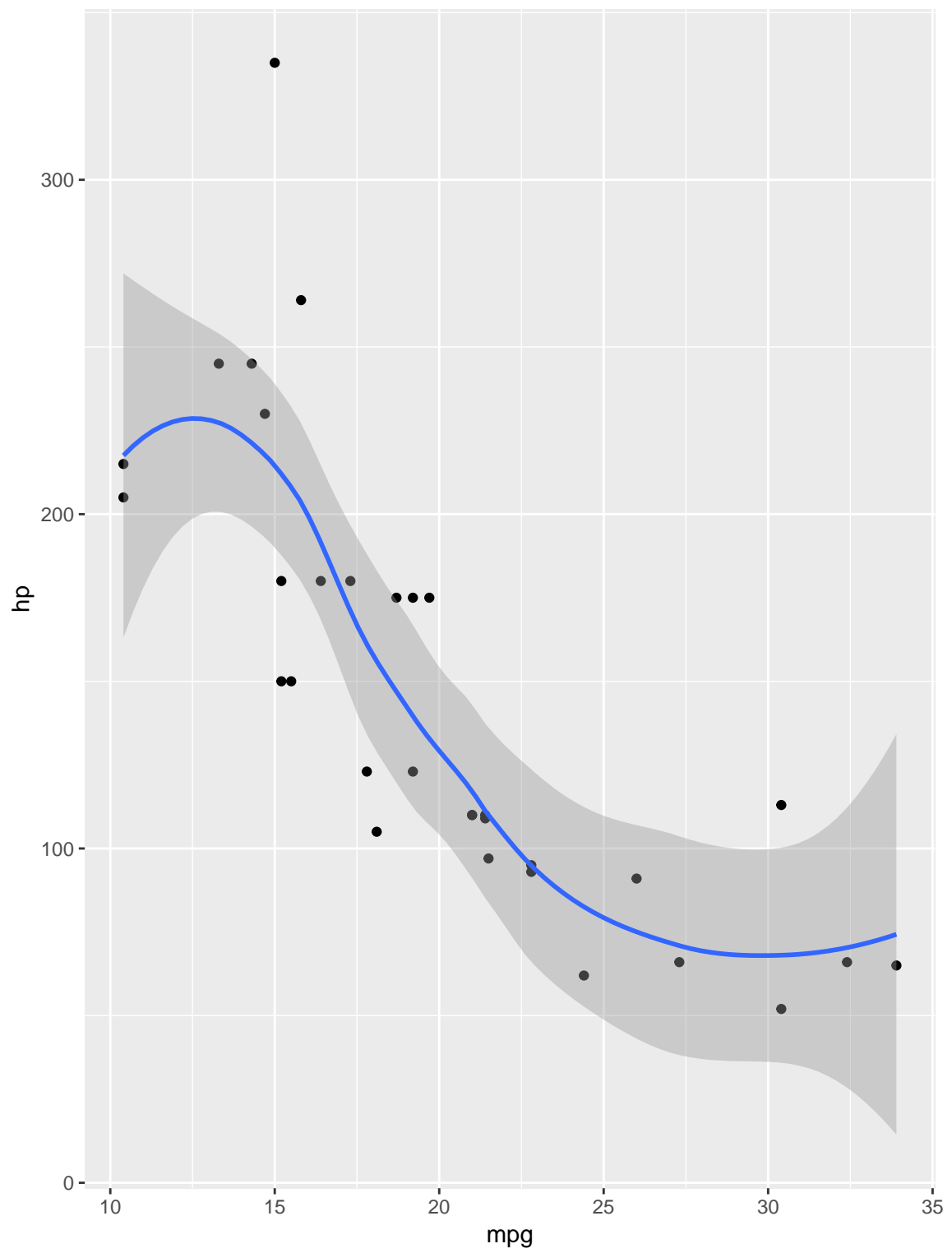
|   |           |   |
|---|-----------|---|
| 1 | Section 1 | 1 |
| 2 | Section 2 | 4 |
| 3 | Section 3 | 5 |

## 1 Section 1

### 1.1 A plot



## 1.2 A second plot



## 1.3 An external png

```
#!/usr/bin/perl

use strict;
use warnings;

my $img = "img.png";
my $out = "out.png";

my $cmd = "cat $img | convert - $out";
system($cmd);
```

## 2 Section 2

### 2.1 Table 1

Table 1: Group Rows

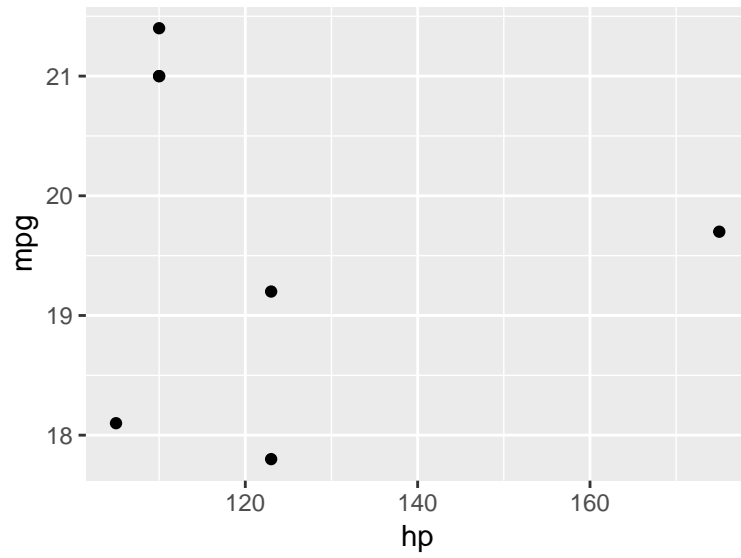
|                   | mpg  | cyl | disp  | hp  | drat | wt    |
|-------------------|------|-----|-------|-----|------|-------|
| Mazda RX4         | 21.0 | 6   | 160.0 | 110 | 3.90 | 2.620 |
| Mazda RX4 Wag     | 21.0 | 6   | 160.0 | 110 | 3.90 | 2.875 |
| Datsun 710        | 22.8 | 4   | 108.0 | 93  | 3.85 | 2.320 |
| <b>Group 1</b>    |      |     |       |     |      |       |
| Hornet 4 Drive    | 21.4 | 6   | 258.0 | 110 | 3.08 | 3.215 |
| Hornet Sportabout | 18.7 | 8   | 360.0 | 175 | 3.15 | 3.440 |
| Valiant           | 18.1 | 6   | 225.0 | 105 | 2.76 | 3.460 |
| Duster 360        | 14.3 | 8   | 360.0 | 245 | 3.21 | 3.570 |
| <b>Group 2</b>    |      |     |       |     |      |       |
| Merc 240D         | 24.4 | 4   | 146.7 | 62  | 3.69 | 3.190 |
| Merc 230          | 22.8 | 4   | 140.8 | 95  | 3.92 | 3.150 |
| Merc 280          | 19.2 | 6   | 167.6 | 123 | 3.92 | 3.440 |

### 2.2 Table 2

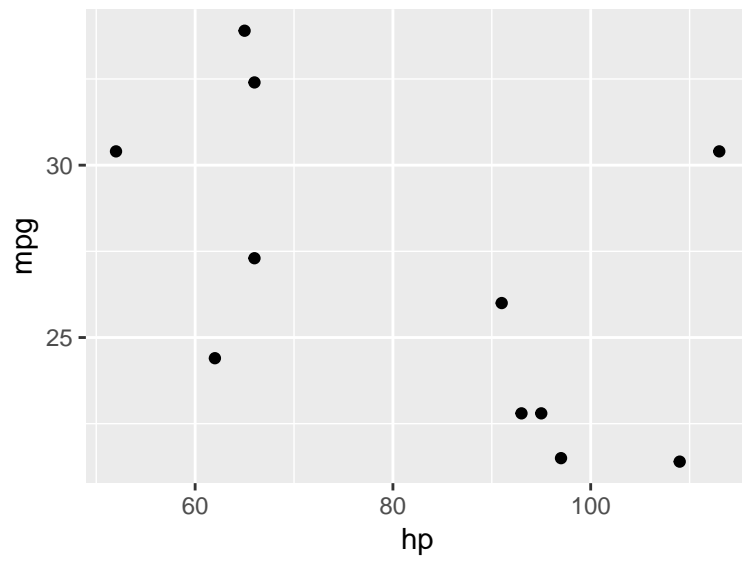
|                   | <i>Group 6</i> |     |         |     |         |       |
|-------------------|----------------|-----|---------|-----|---------|-------|
|                   | Group 4        |     |         |     | Group 5 |       |
|                   | Group 1        |     | Group 2 |     | Group 3 |       |
|                   | mpg            | cyl | disp    | hp  | drat    | wt    |
| Mazda RX4         | 21.0           | 6   | 160.0   | 110 | 3.90    | 2.620 |
| Mazda RX4 Wag     | 21.0           | 6   | 160.0   | 110 | 3.90    | 2.875 |
| Datsun 710        | 22.8           | 4   | 108.0   | 93  | 3.85    | 2.320 |
| Hornet 4 Drive    | 21.4           | 6   | 258.0   | 110 | 3.08    | 3.215 |
| Hornet Sportabout | 18.7           | 8   | 360.0   | 175 | 3.15    | 3.440 |
| Valiant           | 18.1           | 6   | 225.0   | 105 | 2.76    | 3.460 |
| Duster 360        | 14.3           | 8   | 360.0   | 245 | 3.21    | 3.570 |
| Merc 240D         | 24.4           | 4   | 146.7   | 62  | 3.69    | 3.190 |
| Merc 230          | 22.8           | 4   | 140.8   | 95  | 3.92    | 3.150 |
| Merc 280          | 19.2           | 6   | 167.6   | 123 | 3.92    | 3.440 |

### 3 Section 3

#### 3.1 Cylinder: 6



### 3.2 Cylinder: 4



### 3.3 Cylinder: 8

