

hw7

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Question 1

```
library(R.matlab)
```

```
## R.matlab v3.6.2 (2018-09-26) successfully loaded. See ?R.matlab for help.
```

```
##
```

```
## Attaching package: 'R.matlab'
```

```
## The following objects are masked from 'package:base':
```

```
##
```

```
##      getOption, isOpen
```

```
fmri.p1 <- readMat("data/data-science-P1.mat")  
fmri <- do.call(rbind, lapply(fmri.p1$data, unlist))  
colnames <- 1:dim(fmri)[2]
```

```
dim(fmri)
```

```
## [1]   360 21764
```

```
fmri[172, 2014]
```

```
##
```

```
## -0.06624457
```

Question 2

Question 3

Question 4

Question 5

Question 6

Question 7

Question 8

Question 9