

# Problem Sheet 1

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## Question:

In a baking competition, there are three judges who would score a cake created by each participant from zero (inedible) to ten (excellent). There are ten contestants in the competition, and the matrix of scores are given in the following table. You can download the dataset from [here](#).

```
judges_data = read.table('3judges.txt', header = TRUE)
judges_data
```

```
##      J1 J2 J3
## 1      7  7  7
## 2      6  7  7
## 3      5  6  4
## 4      6  7  6
## 5      7  8  7
## 6      7  8  7
## 7      5  7  4
## 8      6  8  5
## 9      5  5  5
## 10     7  7  6
```

Answer the following questions:

1. Which judge gives higher scores than the others?

```
columnSums = colSums(judges_data)
columnSums
```

```
## J1 J2 J3
## 61 70 58
```

Therefore the judge 2 has given more score than the other judges.