

# Exercise 1

Find mean/median/min/max values for columns 5 and 6 from “fimo.bed” for the following regions of interest:

chr7 10000          11000

chr7 25000          30000

# Exercise 2

The strongest DNase-seq peaks across 80 different cell types and developmental stages were selected and placed in a file “master\_peaks.bed”.

For each master peak, list which other peaks (from the “all\_peaks.bed” file) are present at the peak.

# Exercise 2

## Master peaks:

```
chr1 3002720 3002870 4.37932 ENCFF001YVC  
chr1 3025600 3025750 8.0632 ENCFF001YLB
```

## All peaks:

```
chr1 3002720 3002870 1921300-ENCFF001YVC-4.37932  
chr1 3002740 3002890 4406931-ENCFF001YNU-6.60995  
chr1 3002740 3002890 562121-ENCFF001YPN-19.466
```