



Exercise #5

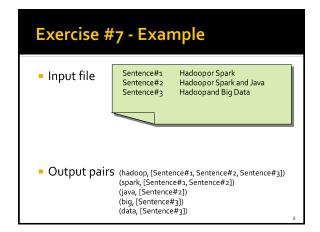
- Average
 - Input: a collection of (structured) textual csv files containing the daily value of PM10 for a set of sensors
 - Each line of the files has the following format sensorId, date, PM10 value (μg/m³)\n
 - Output: report for each sensor the average value of PM10

Exercise #6

- Max and Min
 - Input: a collection of (structured) textual csv files containing the daily value of PM10 for a set of sensors
 - Each line of the files has the following format sensorId, date, PM10 value (μg/m³)\n
 - Output: report for each sensor the maximum and the minimum value of PM10

Exercise #7

- Inverted index
 - Input: a textual file containing a set of sentences
 - Each line of the file has the following format sentenceld\tsentence\n
 - Output: report for each word w the list of sentencelds of the sentences containing w
 - Do not consider the words "and", "or", "not"



Exercise #8

- Total income for each month of the year and Average monthly income per year
 - Input: a (structured) textual csv files containing the daily income of a company
 - Each line of the files has the following format date\tdaily income\n
 - Output:
 - Total income for each month of the year
 - Average monthly income for each year

Exercise #8 - Example 2015-11-01 Input file 2015-11-02 1305 2015-12-01 500 2015-12-02 2016-01-01 750 345 2016-01-02 1145 2016-02-03 200 2016-02-04 Output (2015-11,2305) (2015, 1777.5) (2015-12, 1250) (2016-01, 1490) (2016,1095.0) (2016-02, 700)