

TP7 - Correction

```
db.tweets_sentiment.aggregate( [{ $group : { _id : "$user", count: { $sum: 1 } } },  
{ $match : {count : {$gte : 10} } } ,{$sort : {count : -1, _id : 1}}] )
```

```
db.tweets_sentiment.aggregate( [{ $group :{ _id: "$user",count: { $sum: 1 }  
}},{$sort : {count : -1, _id :1}},{$limit : 10 }])
```

```
var cursor = db.tweets_sentiment.find()  
while (cursor.hasNext()) {  
  var doc = cursor.next();  
  db.tweets_sentiment.update({_id: doc._id}, {$set : {date_new : new  
Date(doc.date)}})  
  
}
```

```
db.tweets_sentiment.mapReduce(  
  function() {  
    emit(this.sentiment, this.tweet.length);  
  },  
  function (key, values) {  
    return Array.avg(values)  
  },  
  {  
    query : { },  
    out : "avg_char_per_sentiment"  
  }  
)
```

```
> db.avg_char_per_sentiment.find()  
{ "_id" : 0, "value" : 68.82639589889486 }  
{ "_id" : 4, "value" : 66.30062250406955 }
```

```
db.tweets_sentiment.mapReduce(  
  function() {  
    var tab = this.tweet.split(" ");  
    for (var i = 0; i < tab.length; i++) {  
      emit(tab[i], 1);  
    }  
  },  
  function (key, values) {  
    return Array.sum(values)  
  },  
  {  
    query : { },  
    out : "word_frequency"  
  }  
)
```