# Data Mining

## Multiples proyectos de tï¿½cnicas de minerï¿½a de datos

### Features y tecnologï¿½as:

- Map Reduce
- Page Rank
- Text Mining
- DataProcessing & Feature Selection
- Data Processing and Classification (kNN)
- Data Processing and Classification (ANN)
- Clustering (CURE)
- Aplicaciï¿½n de PCA a reconocimiento facial
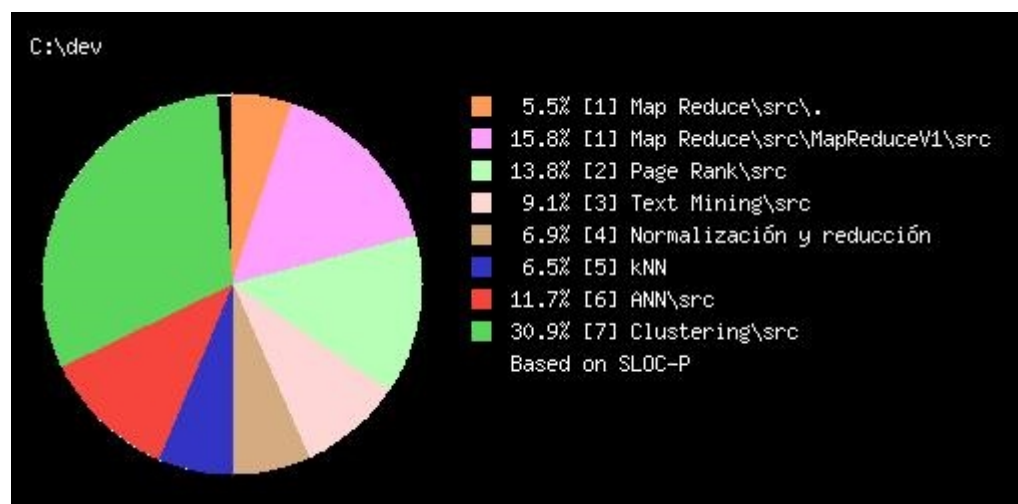
### Autor:

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### Source code:

https://github.com/festeban26/data_mining_usfq_projects

### Latest code update:

Dec, 2018

### Lines of Code (LOC): 2040

## LOC REPORT

## Overall

| Symbol | Count | Definition |
|---|---|---|
| Source Files | 19 | Source Files |
| Directories | 29 | Directories |
| LOC | 2040 | Lines of Code |
| BLOC | 327 | Blank Lines of Code |
| SLOC-P | 1587 | Physical Executable Lines of Code |
| SLOC-L | 945 | Logical Executable Lines of Code |
| MVG | 214 | McCabe VG Complexity |
| C&SLOC | 7 | Code and Comment Lines of Code |
| CLOC | 126 | Comment Only Lines of Code |
| CWORD | 764 | Commentary Words |
| HCLOC | 0 | Header Comment Lines of Code |
| HCWORD | 0 | Header Commentary Words |

## C:\dev - FOLDERS

| Folder | Files | LOC | SLOC Physical | SLOC Logical | MVG | BLOC | C&SLOC | CLOC | CWORD | HCLOC | HCWORD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Total | 19 | 2040 | 1587 | 945 | 214 | 327 | 7 | 126 | 764 | 0 | 0 |
| C:\dev\data_mining | 19 | 2040 | 1587 | 945 | 214 | 327 | 7 | 126 | 764 | 0 | 0 |
| C:\dev\data_mining\[1] Map Reduce | 8 | 440 | 337 | 261 | 36 | 81 | 0 | 22 | 50 | 0 | 0 |
| C:\dev\data_mining\[1] Map Reduce\src | 8 | 440 | 337 | 261 | 36 | 81 | 0 | 22 | 50 | 0 | 0 |
| C:\dev\data_mining\[1] Map Reduce\src\MapReduceV1 | 7 | 325 | 250 | 196 | 26 | 63 | 0 | 12 | 27 | 0 | 0 |
| C:\dev\data_mining\[1] Map Reduce\src\MapReduceV1\src | 7 | 325 | 250 | 196 | 26 | 63 | 0 | 12 | 27 | 0 | 0 |
| C:\dev\data_mining\[2] Page Rank | 1 | 340 | 219 | 167 | 48 | 58 | 0 | 63 | 500 | 0 | 0 |
| C:\dev\data_mining\[2] Page Rank\src | 1 | 340 | 219 | 167 | 48 | 58 | 0 | 63 | 500 | 0 | 0 |
| C:\dev\data_mining\[3] Text Mining | 1 | 170 | 144 | 0 | 23 | 26 | 0 | 0 | 0 | 0 | 0 |
| C:\dev\data_mining\[3] Text Mining\src | 1 | 170 | 144 | 0 | 23 | 26 | 0 | 0 | 0 | 0 | 0 |
| C:\dev\data_mining\[4] Normalizaciï¿½n y reducciï¿½n | 1 | 121 | 109 | 0 | 13 | 12 | 0 | 0 | 0 | 0 | 0 |
| C:\dev\data_mining\[4] Normalizaciï¿½n y reducciï¿½n\src | 1 | 121 | 109 | 0 | 13 | 12 | 0 | 0 | 0 | 0 | 0 |
| C:\dev\data_mining\[5] kNN | 1 | 119 | 103 | 0 | 5 | 16 | 0 | 0 | 0 | 0 | 0 |
| C:\dev\data_mining\[5] kNN\src | 1 | 119 | 103 | 0 | 5 | 16 | 0 | 0 | 0 | 0 | 0 |
| C:\dev\data_mining\[6] ANN | 2 | 228 | 185 | 147 | 9 | 34 | 4 | 9 | 65 | 0 | 0 |
| C:\dev\data_mining\[6] ANN\src | 2 | 228 | 185 | 147 | 9 | 34 | 4 | 9 | 65 | 0 | 0 |
| C:\dev\data_mining\[7] Clustering | 5 | 622 | 490 | 370 | 80 | 100 | 3 | 32 | 149 | 0 | 0 |
| C:\dev\data_mining\[7] Clustering\src | 5 | 622 | 490 | 370 | 80 | 100 | 3 | 32 | 149 | 0 | 0 |

## C:\dev - FILES

| File | LOC | SLOC Physical | SLOC Logical | MVG | BLOC | C&SLOC | CLOC | CWORD | HCLOC | HCWORD |
|---|---|---|---|---|---|---|---|---|---|---|
| C:\dev\data_mining\[1] Map Reduce\src\main.java | 115 | 87 | 65 | 10 | 18 | 0 | 10 | 23 | 0 | 0 |
| C:\dev\data_mining\[1] Map Reduce\src\MapReduceV1\src\IntermediateSplitter.java | 61 | 49 | 38 | 5 | 12 | 0 | 0 | 0 | 0 | 0 |

| File | LOC | SLOC Physical | SLOC Logical | MVG | BLOC | C&SLOC | CLOC | CWORD | HCLOC | HCWORD |
|---|---|---|---|---|---|---|---|---|---|---|
| C:\dev\data_mining\[1] Map Reduce\src\MapReduceV1\src\Main.java | 56 | 35 | 27 | 1 | 11 | 0 | 10 | 25 | 0 | 0 |
| C:\dev\data_mining\[1] Map Reduce\src\MapReduceV1\src\Mapper.java | 61 | 50 | 39 | 6 | 11 | 0 | 0 | 0 | 0 | 0 |
| C:\dev\data_mining\[1] Map Reduce\src\MapReduceV1\src\MapUtil.java | 19 | 16 | 13 | 2 | 3 | 0 | 0 | 0 | 0 | 0 |
| C:\dev\data_mining\[1] Map Reduce\src\MapReduceV1\src\Reducer.java | 58 | 45 | 35 | 4 | 11 | 0 | 2 | 2 | 0 | 0 |
| C:\dev\data_mining\[1] Map Reduce\src\MapReduceV1\src\Splitter.java | 50 | 40 | 33 | 6 | 10 | 0 | 0 | 0 | 0 | 0 |
| C:\dev\data_mining\[1] Map Reduce\src\MapReduceV1\src\Tuple.java | 20 | 15 | 11 | 2 | 5 | 0 | 0 | 0 | 0 | 0 |
| C:\dev\data_mining\[2] Page Rank\src\Main.java | 340 | 219 | 167 | 48 | 58 | 0 | 63 | 500 | 0 | 0 |
| C:\dev\data_mining\[3] Text Mining\src\Main.py | 170 | 144 | 0 | 23 | 26 | 0 | 0 | 0 | 0 | 0 |
| C:\dev\data_mining\[4] Normalizaciï¿½n y reducciï¿½n\src\main.py | 121 | 109 | 0 | 13 | 12 | 0 | 0 | 0 | 0 | 0 |
| C:\dev\data_mining\[5] kNN\src\main.py | 119 | 103 | 0 | 5 | 16 | 0 | 0 | 0 | 0 | 0 |
| C:\dev\data_mining\[6] ANN\src\Main.java | 126 | 104 | 87 | 3 | 18 | 3 | 4 | 23 | 0 | 0 |
| C:\dev\data_mining\[6] ANN\src\MultilayerPerceptronThread.java | 102 | 81 | 60 | 6 | 16 | 1 | 5 | 42 | 0 | 0 |
| C:\dev\data_mining\[7] Clustering\src\Cluster.java | 250 | 202 | 151 | 35 | 40 | 0 | 8 | 36 | 0 | 0 |
| C:\dev\data_mining\[7] Clustering\src\CsvReader.java | 36 | 30 | 24 | 2 | 6 | 0 | 0 | 0 | 0 | 0 |
| C:\dev\data_mining\[7] Clustering\src\Main.java | 184 | 144 | 109 | 26 | 26 | 3 | 14 | 74 | 0 | 0 |
| C:\dev\data_mining\[7] Clustering\src\Point.java | 78 | 60 | 43 | 9 | 18 | 0 | 0 | 0 | 0 | 0 |
| C:\dev\data_mining\[7] Clustering\src\Visualizer.java | 74 | 54 | 43 | 8 | 10 | 0 | 10 | 39 | 0 | 0 |