

YOUTUBE REACTIONS IN MUSIC #FINAL

RODRIGUEZ MIGUEZ, CANDIDA KNOWLEDGE ENGINEERING - ESEI UVigo crmiguez@esei.uvigo.es





INDEX

- 1. Problem definition
- 2. Data definition
- 3. Data exploration
- 4. Data Mining
- 5. Data results
- 6. Conclusion

1. Problem Definition





2. Data Definition



ATRRIBUTE	DESCRIPTION
User	Name of YouTube user
Date_Comment	Date of published comment
Type_Comment	Comment, Reply To <user></user>
Number_Likes	Number of likes from comment, number of likes from reply
Text	Original text from user
Language	Language from text (Spanish, Latin Spanish or English).
Reaction	Positive, Negative, Neutral, Joke, Suggestion
Hashtag	Different hashtags to express a brief opinion

Table 1: Attributes for analysis. Investigated by Candida Rodriguez

3. Data Exploration





4. Data Mining



```
//New API Key
String newAPIKey = "AIzaSyBxBN0H9dc_fWGUzDroMspcQAvLoae9NJM";
```

4. Data Mining



```
// Basic CSV file
Date date = new Date(); // Using a Date object to make historical CSV files

PrintWriter pw = new PrintWriter(new File("test_" + v.getVideoAlias() + "_" + date.getTime() + ".csv"));
StringBuilder sb = new StringBuilder();

PrintWriter pwEN = new PrintWriter(new File("EN_" + v.getVideoAlias() + "_" + date.getTime() + ".csv"));
StringBuilder sbEN = new StringBuilder();
```

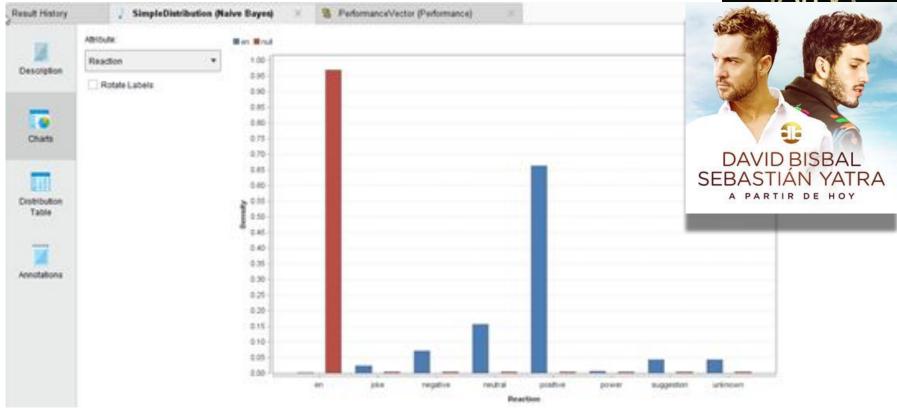
4. Data Mining



```
id; Name User; Date Comment; Type Comment; Number Likes; Text; Hashtag; Language; Reaction
1;Costin Razvan Florea;2018-12-29T14:06:13.000Z;Comment;0;Who is she???;null;en;neutral
2; Gria Par8ena; 2018-12-07T20:14:18.000Z; Comment; 0; David makes me wet... What can I do? And his voice makes me wet as well..; null; en; positive
4;Carmen D Colorado;2018-12-02T19;21:52.000Z;Comment;0;Lovely thanks!♥♥♥♥♥♥♥♥♥;null;en;positive
5; Tristen Lang; 2018-12-02T16:18:41.000Z; Comment; 0; Just discovered the tunes!; null; en; positive
6:Ana Maciel Fangueiro; 2018-12-01T19: 25: 15.000Z; Comment; 0:That gypsy tone that David has me encanta. He can never do bad songs. He's one of my favourites since O'
7; annessa deonarine; 2018-11-30T19; 08; 18.000Z; Comment; 0; Need another collaboration asap; null; en; positive
8; Hanane Azam; 2018-12-23T15:17:08.000Z; Reply to Roy Martelo; 0; Me too; null; en; positive
10; walter Lopez; 2018-11-21T05:59:12.000Z; Comment; 1; David, Thanks for all the good songs. God BLESS you friend; null; en; positive
ll;Florina Casas;2018-11-20T03;01;23,000Z;Comment;1;Love vou,I am from Romania but I'm living in USA, vour voice is beautiful! Your song with Andra is amazing 🚨
12; Elena Ela; 2018-11-09T19: 31: 22.000Z; Comment; 1; ♥ i love this song ♥ hugs; null; en; positive
13; Carmen Rosa Quispitupa Quispe; 2018-11-08T18; 47; 49.000Z; Comment; 0; I liked the best music I heard from the moment I started listening; null; en; positive
14; Gabriela Gareca; 2018-11-05T06: 10: 50.000Z; Comment; 1; hermosa cansion ⊕⊕; null; en; positive
15; Kuddu Happy; 2018-11-04T08; 33; 52.000Z; Comment; 4; This is great €; null; en; positive
16; Toryk Toryk; 2018-10-29T19: 43:00.000Z; Comment; 45; a nice song R E S P E C T!!! I'm Russian but I like that kind of music I like everything and understand everyth.
17:Μαρια Λιουδακη:2018-10-26T23:43:10.000Z;Comment:4;i love this song...;null;en;positive
18; Paola Virudiana; 2018-10-26T04:16:51.000Z; Comment; 1; I love this song ♥; null; en; positive
19; Carla gabriela Alejo gutierrez; 2018-10-23T20; 12:07.000Z; Comment; 1; hermosa cancion ♥♥♥♥; null; en
20; Irar Taant; 2018-10-23T04: 48: 24.000Z; Comment; 0; wao this song I loved it. that's good Latin song, from David, i sebastian, keep in that way, motivating more to
21; Vanesa Gonzalez; 2018-10-14T01; 00:08.000Z; Comment; 0; The Adoro David Bisbal v Sebastian vatra; null; en; positive
22; Wendolay Valer Robles; 2018-10-13T15; 29: 36.000Z; Comment; 1; Hermosa cancion..... ♥♥♥♥♥; null; en; positive
23; Compras - MIREX; 2018-10-12T18; 48:00.000Z; Comment; 0; • • • This video will blow you r mind • • • https://tinvurl.com/8uuae23 🕨 • • • Thank me later.; null; en;
24; Gigy Villarreal; 2018-10-12T18: 37: 27.000Z; Comment; 0; • • This video, will blow your mind • • • https://tinyurl.com/q7hsjdt • • • Thank me later.; null; en; ne
25; Gresel Ortiz; 2018-10-09T23; 20; 53.000Z; Comment; 1; Thanksforsharingthisisthemostpopularofmyfavorite; null; en; positive
26; Albita Barrios; 2018-10-08T04: 40: 49.000Z; Reply to Angie Romina; 0; U.u me to; null; en; positive
27; Domond Claude marthe valeria; 2018-10-03T16; 28; 12.000Z; Comment; 1; I love this song so much @; null; en; positive
28:Miriam Rodriquez:2018-10-02T05:38:56.000Z;Comment;2;Love this Song ♥♥♥♥;null;en;positive
```

5. Data Results





5. Data Results



Reaction

6. Conclusion





6. Conclusion







