

DXC.technology
Opinion on
HPE ES - CSC
Merger

Sentimental Analysis using Twitter Data

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Overview:

- ✓ Twitter.com is a popular micro blogging website.
- ✓ Posts in twitter are called as tweets.
- ✓ Each tweets is 140 characters in length.
- ✓ Tweets are frequently used to express the tweeter's emotion on a particular subject.
- ✓ Sentiment A thought, view, or attitude based mainly on emotion instead of reason.
- ✓ Sentiment Analysis (or opinion mining) Use of natural language processing (NLP) and computational techniques to automate the extraction or classification of sentiment from typically unstructured text.

Tasks & Tools:

- ✓ Extract and clean the data from twitter.
- ✓ Compare tweets against a list of positive and negative words.
- ✓ Polarity Classification Positive, Negative and Neutral.
- ✓ Classify tweets based on two sentiments Positive and Negative.
- ✓ Classify tweets based on eight emotions anger, fear, anticipation, trust, surprise, sadness, joy, and disgust.
- ✓ Programming Language R used for extraction, analysis, classification of tweets and graphical representation (plots).

Popular retweets:

HPE

CSC and @HPE Services division complete merger to form @DXCTechnology #HelloDXC #Cloud #CloudComputing #IoT

@DXCTechnology: .@DanHushon and Mike Nefkens talk to @CRN about @AWS opportunity and @HPE relationship.

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CSC

RT @Nickpanayi: Out with the old, in with the new. Goodbye @csc.\nlt's almost #helloDXC time!

RT @lisapettigrew: A bell is ringing April 3, 2017 at 9:30 am ET. Get ready to Thrive on Change! #HelloDXC @CSC

DXC

RT @DXCTechnology: Hello @NYSE! #HelloDXC. Retweet if you're ready to Thrive on Change! https://t.co/Gpf3sgJju6

RT @DXCTechnology: This just happened. #HelloDXC! https://t.co/ZOvGrJ7mF5

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Most liked tweets (favorites):

HPE

24

CSC and @HPE Services division complete merger to form @DXCTechnology #HelloDXC #Cloud #CloudComputing #IoT... https://t.co/Drylj3hi0Z



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.DXCtechnology and @HPE celebrating the service award received by Senator John McCain from Vet Jobs Mission. @sgraye https://t.co/vchiFJkvhw

DXC

399



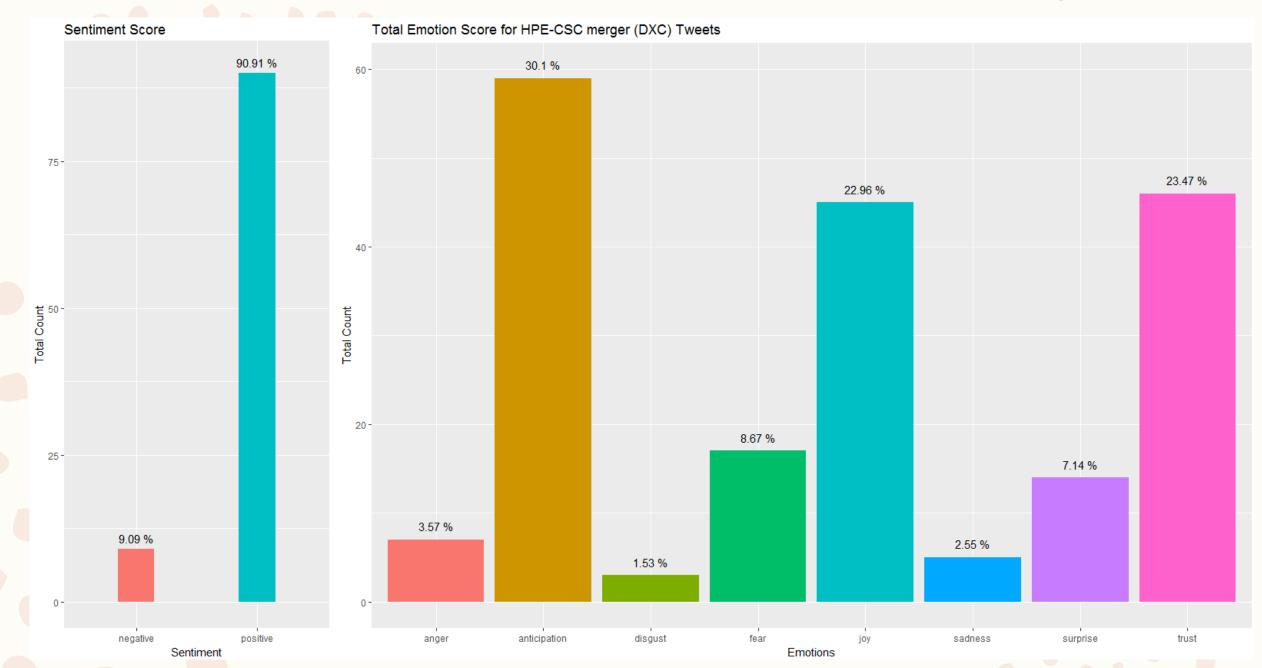
Today two operations officially merged into one of the largest IT-solutions providers on the planet: @DXCTechnology https://t.co/miylbzRfb6



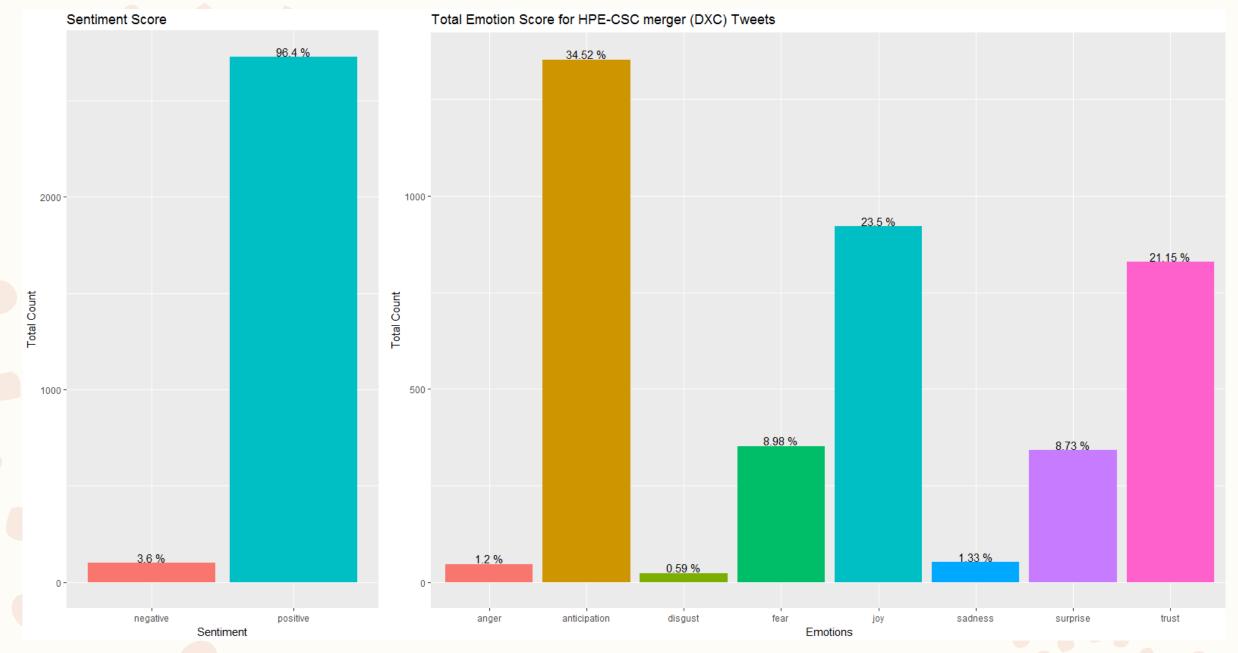
DXC Philippines! Day 1 #MabuhayDXC #IamDXC #IseeDXC #HelloDXC guys help nman ako to like this photo! Thanks!... https://t.co/4gC3IXkKAx

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Sentiments, Emotion Score - First Week of Merger



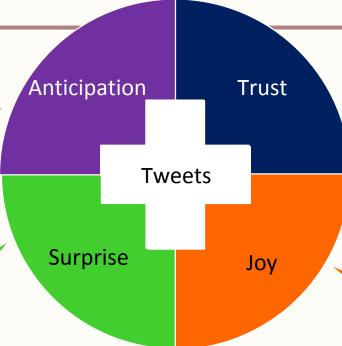
Sentiments, Emotion Score - Mid-April - 2017



Positive Emotions

- As we approach Day 1, energy, enthusiasm and hard work continues...\n#HelloDXC #IamDXC @CSC @HPE Merger #DXCTechnology
- New beginnings tomorrow as we wake up and become DXCTechnology CSC change growth innovation excited
- Look forward to tomorrow. Same as every Monday except @HPE will be a competitor tomorrow rather than my employer. #DXC

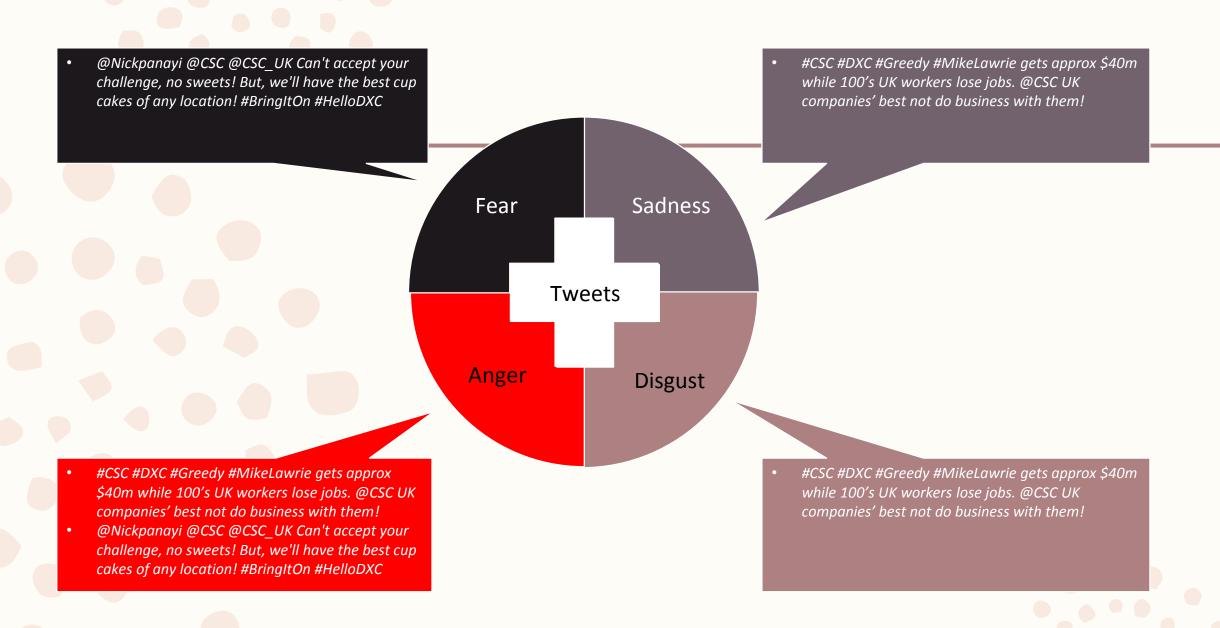
- @DXC.technology Trust, transform and thrive with the power of our combined strengths to enable your successful digital journey!
- #HelloDXC #DXCTechnology All the best to all stake holders involved. Hope it reaches the goal of industry leading services provider @CSC @HPE
- #IamDXC #hellodxc Coming soon As a Leader in providing end-to-End IT solutions @CSC @HPE https://t.co/pdMI5llxD4



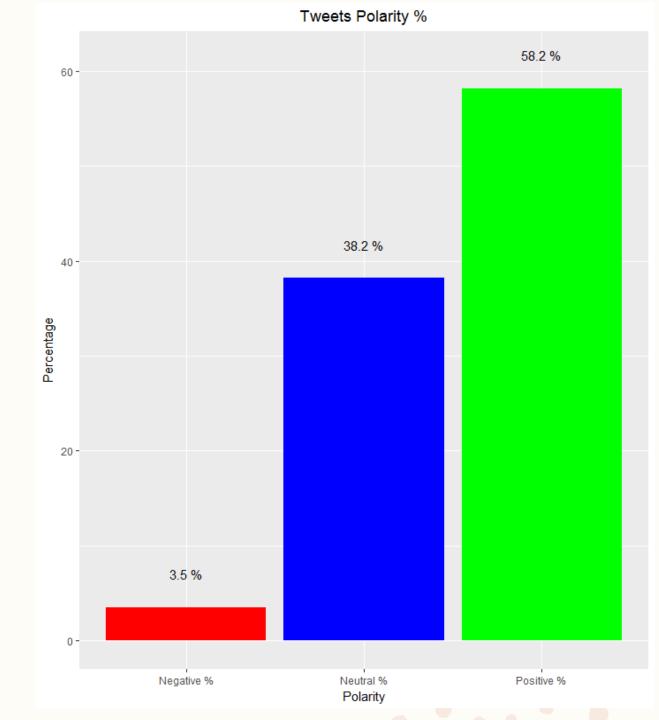
- Final 2 days of CSC exciting times ahead DXCTechnology
- @Nickpanayi @CSC #HelloDXC you are lucky to witness this at Tyson's - please post a Day and Night pic after installation https://t.co/scllkFqNi6

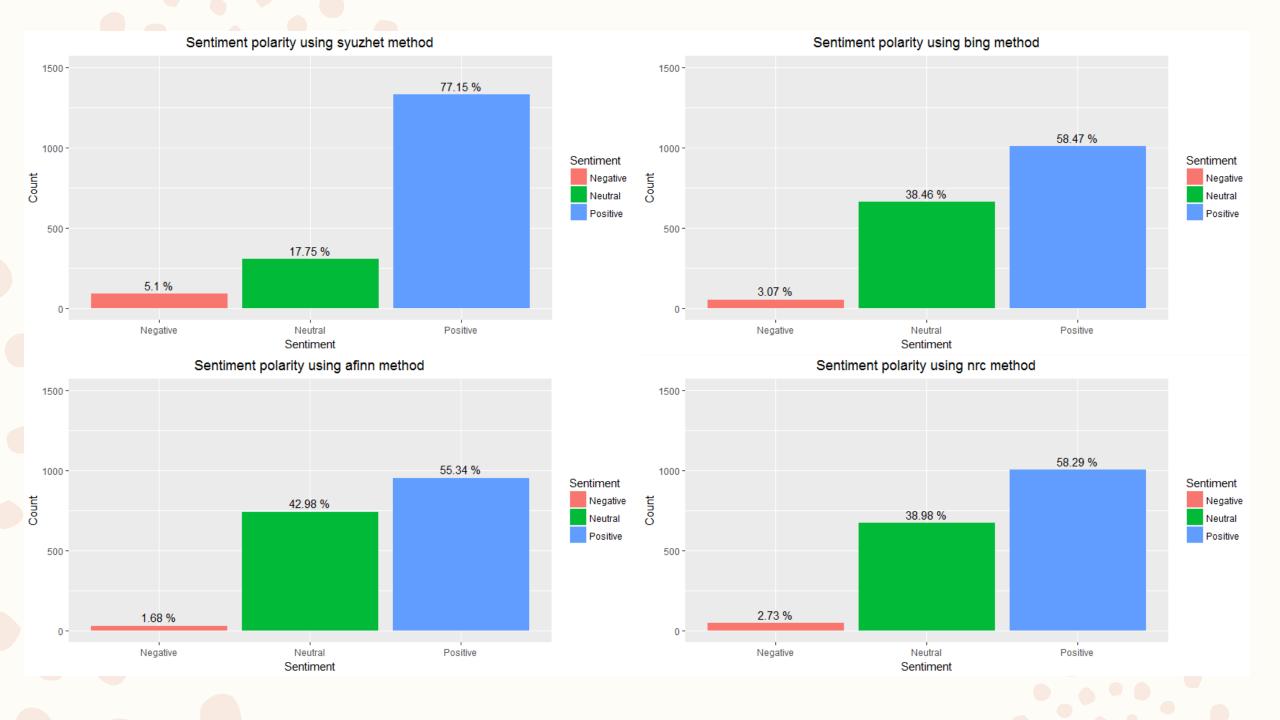
- RT @ChrisFangmann: Exciting times; great workshops w/ @CSC customers while in parallel preparing merger w/ @HPE_Services to found a great n
- Nostalgic to use CSC for last time Thankyou CSC for wonderful memories n enriching journey Ready for newCo HelloDXC ThriveOnChange

Negative Emotions



Lexicons – Methods nrc bing afinn syuzhet stanford





bing

word	value
a+	1
abound	1
abounds	1
abundance	1
abundant	1
accessable	1
accessible	1
acclaim	1 1 1
acclaimed	1
acclamation	1
accolade	1
accolades	1
accommodative	1
accomodative	1
accomplish	1
accomplished	1
accomplishment	1
accomplishments	1
accurate	1
accurately	1

NRC

word	anger	anticipation	disgust	fear	joy	negative	positive	sadness	surprise	trust
abundance	0	1	1	0	1	1	1	0	0	1
accelerate	0	1	0	0	0	0	0	0	0	0
accolade	0	1	0	0	1	0	1	0	1	1
accompaniment	0	1	0	0	1	0	1	0	0	1
achievement	0	1	0	0	1	0	1	0	0	1
acquiring	0	1	0	0	0	0	1	0	0	0
addresses	0	1	0	0	0	0	1	0	0	0
adore	0	1	0	0	1	0	1	0	0	1
adrift	0	1	0	1	0	1	0	1	0	0
advance	0	1	0	1	1	0	1	0	1	0
advent	0	1	0	0	1	0	1	0	0	1
adventure	0	1	0	0	0	0	1	0	0	0
advocacy	1	1	0	0	1	0	1	0	0	1
airport	0	1	0	0	0	0	0	0	0	0
alertness	0	1	0	1	0	0	1	0	1	0
alerts	0	1	0	1	0	0	0	0	1	0
alive	0	1	0	0	1	0	1	0	0	1

syuzhet

abandon abandoned abandoner abandonment	-0.75 -0.5
abandoner	-0.5
ahandonment	-0.25
abandonnent	-0.25
abandons	-1
abducted	-1
abduction	-0.5
abductions	-1
aberrant	-0.6
aberration	-0.8
abhor	-0.5
abhorred	-1
abhorrent	-0.5
abhors	-1
abilities	0.6
ability	0.5
abject	-1

afinn

word	value
abandon	-2
abandoned	-2
abandons	-2
abducted	-2
abduction	-2
abductions	-2
abhor	-3
abhorred	-3
abhorrent	-3
abhors	-3 2 2
abilities	2
ability	2
aboard	1
absentee	-1
absentees	-1
absolve	2
absolved	2
absolves	2
absolving	2
absorbed	1
abuse	-3
abused	-3
abuses	-3
abusive	-3

Word Cloud





