

Client Satisfaction Report

Part 3 of 3: Analysis of Customer Sat Comments

August 2019 (Surveys 1-4)

Overview

This report analyzes the occurrences of positive and negative vocabulary words in the comments field of the TSG customer satisfaction surveys. The statistics are for four surveys, taken as follows:

- Fall 2018
- Winter 2019
- Spring 2019
- Summer 2019

Note that each survey was distributed to a unique 25% of the organization, and therefore does not follow the principle of “random selection with replacement.” However, the surveys provide a working sense of the organization’s opinions.

Words used by responders can provide some useful insight into how responders are thinking and what troubles (or delights) them most. Totaling the number of occurrences of positives and negatives and looking at various ratios can provide some sense of how happy responders are (and with what).

Positive, negative, and neutral vocabulary words were selected by reading through the comments manually, examining the context, and selecting those that would, in as many cases as possible, be unambiguous. The code reads each comment, and tabulates the number of occurrences of each word or phrase on the list - cumulatively, and by individual survey.

This report includes graphs to help visualize the relative number of occurrences per comment, and to compare the various proportions / ratios of positives and negatives. The graphs and charts provide some insight into trends, but with only three surveys to work with, these trends have to be looked on as tentative.

Summary

Through the four surveys taken to date, the following trends appear to be true:

- There is generally 1 comment for every 3 responses (in the range of 30%-35%)
- There are more positive comments than negative (or neutral); there are generally:
 - Two positive words per comment vs.
 - One negative word per comment
- The number of negative words per comment appears to be decreasing over time

Overall, the opinion of TSG is positive but with ample opportunity for improvement. Three areas appear to be important to responders, and where TSG should strive to excel:

- Job knowledge (the person knows what they are doing)
- Speed (my problem is resolved quickly and the first time)
- Empathy (the person is easy to deal with and understands my problem)

Other Notes and Recommendations

A few recommendations surfaced within the comments that may be worth while for the management team to consider:

- Please collect the “best practices” and new software ideas from all employees and share them with others to improve everyone’s productivity.
- I think TSG would benefit by having more interns who can support innovation and research. The vendor management internship is a good example of how this can be a winning experience for everyone involved.
- For an existing employee who is transitioning to a new role... Before you require them to get a new email account (as I was required to do), you should explain to them why it is necessary.

A full list of the comments can be found in column N of the responses spreadsheet. This can be accessed here:
<https://docs.google.com/spreadsheets/d/1tzD84pHfpDht0IESMPmWr-wjkoEiSbLvFo5Z5uU6A-Y/edit#gid=1724531182>
(<https://docs.google.com/spreadsheets/d/1tzD84pHfpDht0IESMPmWr-wjkoEiSbLvFo5Z5uU6A-Y/edit#gid=1724531182>). These are worth looking at.

Cumulative View

This section looks at the cumulative picture and summarizes the statistics and vocabulary occurrences (positive and negative) across all surveys to date.

The Top 10 Postive and Negative words are shown below. See the Appendix for a complete list of word occurrences and counts.

	Word	Count	Type
1	help	30	Pos
2	great	10	Pos
3	responsive	7	Pos
4	professional	6	Pos
5	appreciate	5	Pos
6	patient	5	Pos
7	timely	5	Pos
8	friendly	4	Pos
9	easy	3	Pos
10	knowledgeable	3	Pos

	Word	Count	Type
1	Enterprise	5	Neg
2	problems	4	Neg
3	challenge	3	Neg
4	issues	3	Neg
5	didn't	2	Neg
6	doesn't	2	Neg
7	negatively	2	Neg
8	really need	2	Neg
9	slow	2	Neg
10	unnecessarily	2	Neg

	Word	Count	Type
1	resolve	4	Neu
2	a good example	1	Neu
3	answer can be found	1	Neu
4	appropriately	1	Neu
5	can be a winning experience	1	Neu
6	can be addressed	1	Neu
7	conduct themselves	1	Neu
8	could help me	1	Neu
9	customized	1	Neu
10	feedback	1	Neu

Number of survey responses	: 190
Number of survey comments	: 68
Comments to responses ratio	: 0.3578947
Number of positive words	: 156
Positive words to comments ratio:	2.294118
Number of negative words	: 82
Negative words to comments ratio:	1.205882
Number of neutral words	: 31
Neutral words to comments raito	: 0.4558824

A second appendix includes a word cloud version of the entire comments set.

Individual Survey View

This section looks at the positive and negative vocabulary tabulations by individual surveys. Explanations of the various statistics are given below.

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Results for 01-F18
Number of responses      : 37
Number of comments      : 11
Comments to responses ratio : 0.3
Number of positive words : 22
Positive words to comments ratio: 2
Number of negative words : 29
Negative words to comments ratio: 2.64
Number of neutral words  : 9
Neutral words to comments ratio : 0.82
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Results for 02-W19
Number of responses      : 35
Number of comments      : 17
Comments to responses ratio : 0.49
Number of positive words : 41
Positive words to comments ratio: 2.41
Number of negative words : 27
Negative words to comments ratio: 1.59
Number of neutral words  : 13
Neutral words to comments ratio : 0.76
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Results for 03-S19
Number of responses      : 61
Number of comments      : 21
Comments to responses ratio : 0.34
Number of positive words : 54
Positive words to comments ratio: 2.57
Number of negative words : 21
Negative words to comments ratio: 1
Number of neutral words  : 2
Neutral words to comments ratio : 0.1
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Results for 04-S19
Number of responses      : 57
Number of comments      : 19
Comments to responses ratio : 0.33
Number of positive words : 39
Positive words to comments ratio: 2.05
Number of negative words : 5
Negative words to comments ratio: 0.26
Number of neutral words  : 7
Neutral words to comments ratio : 0.37
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Overall Summary of Individual Survey Statistics

Translation of field names:

- Resp = number of responses
- Comms = the number of comments in the survey
- c_to_r_ratio = the number of comments divided by the number of responses
- PosWds = the number of positive words found in the survey
- pw_to_c_ratio = the number of positive words divided by the number of comments
- NegWds = the number of negative words found in the survey
- nw_to_c_ratio = the number of negative words divided by the number of comments
- NueWds = the number of neutral words found in the survey

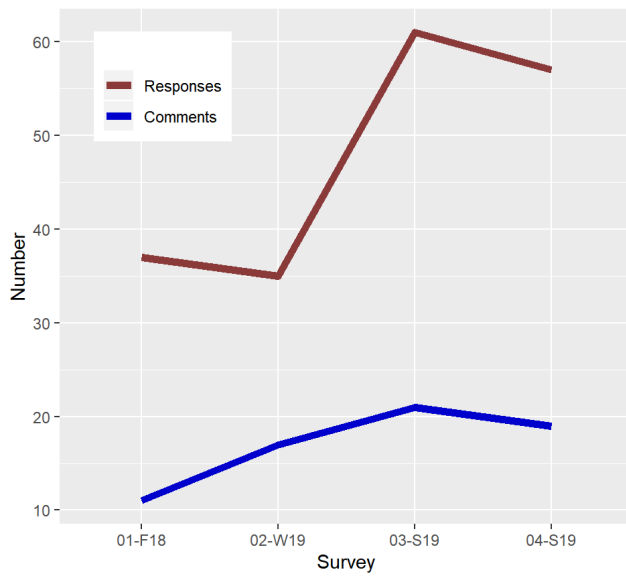
- neu_to_c_ratio = the number of neutral words divided by the number of comments

Survey	Resp	Comms	c_to_r_ratio	PosWds	pw_to_c_ratio	NegWds	nw_to_c_ratio	NeuWds	neu_to_c_ratio
01-F18	37	11	0.30	22	2.00	29	2.64	9	0.82
02-W19	35	17	0.49	41	2.41	27	1.59	13	0.76
03-S19	61	21	0.34	54	2.57	21	1.00	2	0.10
04-S19	57	19	0.33	39	2.05	5	0.26	7	0.37

Graphical representations of the summary statistics by Survey are shown below.

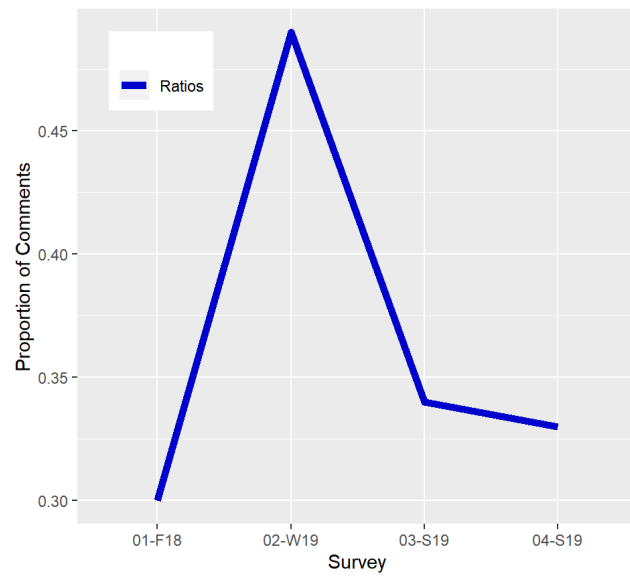
Count of Comments and Responses

Numbers of each by Survey



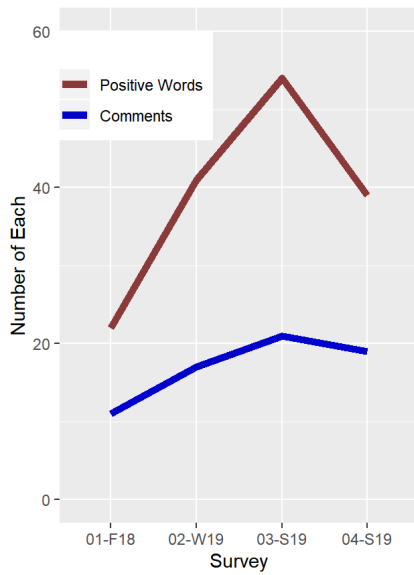
Ratio of Comments to Responses

Ratio By Survey



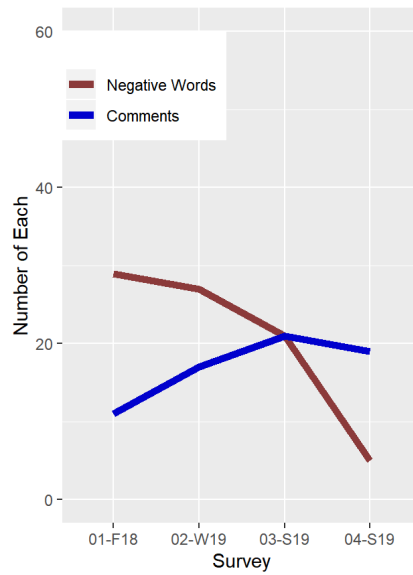
Positive Words vs. Comments

Number of each by Survey



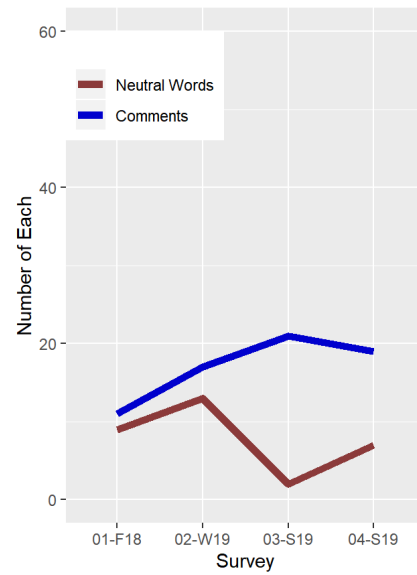
Negative Words vs. Comments

Number of each by Survey



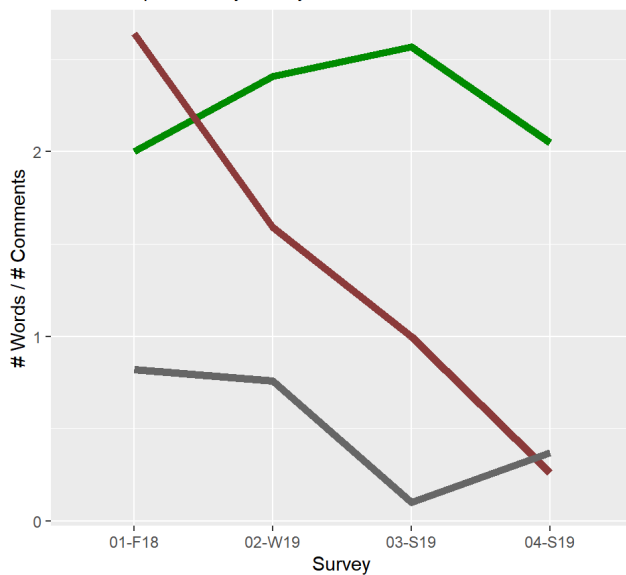
Neutral Words vs. Comments

Number of each by Survey



Ratios of Positive Negative & Neutral Words to Comments

Ratio Comparisons by Survey



Appendix - Summary of Positive Vocabulary Words

Positive Vocabulary word counts / occurrences

Word	Count	Type
help	30	Pos
great	10	Pos
responsive	7	Pos
professional	6	Pos
appreciate	5	Pos
patient	5	Pos
timely	5	Pos
friendly	4	Pos
easy	3	Pos
knowledgeable	3	Pos
prompt	3	Pos
very helpful	3	Pos
willing	3	Pos
always patient	2	Pos
appreciated	2	Pos
courteous	2	Pos
devoted	2	Pos
effective	2	Pos
excellent	2	Pos
gracious	2	Pos
highlight	2	Pos
kind	2	Pos
love	2	Pos
love working with	2	Pos
outstanding	2	Pos
pleasant	2	Pos
skilled	2	Pos

Word	Count	Type
very good	2	Pos
above and beyond	1	Pos
always ready	1	Pos
awesome	1	Pos
capable	1	Pos
cheerfully	1	Pos
competent	1	Pos
couldn't do my job without	1	Pos
easy to follow	1	Pos
empathetic	1	Pos
excellent attitude	1	Pos
exceptional	1	Pos
extra mile	1	Pos
fantastic	1	Pos
favorite people	1	Pos
follow-through	1	Pos
fun to work with	1	Pos
generous	1	Pos
goes out of their way	1	Pos
graciously	1	Pos
hard work	1	Pos
joy to work with	1	Pos
joyful	1	Pos
loving	1	Pos
perseverance	1	Pos
pleasure	1	Pos
quick to respond	1	Pos
quicker	1	Pos
satisfied	1	Pos

Word	Count	Type
shining star	1	Pos
solution-oriented	1	Pos
speed	1	Pos
super	1	Pos
super competent	1	Pos
supporting the Cause	1	Pos
thanks	1	Pos
they find out	1	Pos
thorough	1	Pos
upbeat	1	Pos
warm	1	Pos

Appendix - Summary of Negative Vocabularly Words

Negative Vocabulary word counts / occurrences

Word	Count	Type
Enterprise	5	Neg
problems	4	Neg
challenge	3	Neg
issues	3	Neg
didn't	2	Neg
doesn't	2	Neg
negatively	2	Neg
really need	2	Neg
slow	2	Neg
unnecessarily	2	Neg
addressing the issue	1	Neg
again and again	1	Neg
appears	1	Neg
back and forth	1	Neg
bandwidth	1	Neg
could conduct	1	Neg
could have gotten	1	Neg
create excessive	1	Neg
devote a bit more time	1	Neg
did not know what they were doing	1	Neg
difficulty	1	Neg
disconnect	1	Neg
docked	1	Neg
ended up	1	Neg
endure	1	Neg
excessively	1	Neg
glitchy	1	Neg

Word	Count	Type
hard time	1	Neg
haven't been able to	1	Neg
having more	1	Neg
impacted	1	Neg
implications	1	Neg
inconvenienced	1	Neg
inexperience	1	Neg
inferior	1	Neg
keep you on hold	1	Neg
left straddling	1	Neg
little vague	1	Neg
many days	1	Neg
more palatable	1	Neg
need to get better	1	Neg
needs some work	1	Neg
never know	1	Neg
never to call	1	Neg
no clear plan	1	Neg
not consistently	1	Neg
not yet	1	Neg
on hold	1	Neg
problematic	1	Neg
putting off projects	1	Neg
should not raise	1	Neg
should strive	1	Neg
take too long	1	Neg
taken months	1	Neg
takes many days	1	Neg
takes more time	1	Neg

Word	Count	Type
too busy	1	Neg
unhelpful	1	Neg
unresolved	1	Neg
upheaval	1	Neg
vague	1	Neg
well-intentioned	1	Neg
what was going on	1	Neg
would have been nice	1	Neg
would not quite say	1	Neg

Appendix - Summary of Neutral Vocabularly Words

Neutral Vocabulary word counts / occurrences

Word	Count	Type
resolve	4	Neu
a good example	1	Neu
answer can be found	1	Neu
appropriately	1	Neu
can be a winning experience	1	Neu
can be addressed	1	Neu
conduct themselves	1	Neu
could help me	1	Neu
customized	1	Neu
feedback	1	Neu
get up to speed	1	Neu
historical knowledge	1	Neu
improve everyone's productivity	1	Neu
in-depth understanding	1	Neu
like to understand	1	Neu
might be helpful	1	Neu
newer	1	Neu
not always	1	Neu
not urgent	1	Neu
number of occasions	1	Neu
out of the box	1	Neu
projected time	1	Neu
refining the system	1	Neu
research	1	Neu
simply	1	Neu
still important	1	Neu
support innovation	1	Neu

Word	Count	Type
would benefit by	1	Neu