

United States Politicians' Tone Became More Negative with 2016 Primary Campaigns

Author names to be added here (submissions will be non-blind)

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Supplementary Information

Contents

1	Figures	2
1.1	Quotation Aggregation	2
1.2	Quotation Aggregation, Excluding Outliers	8
1.3	Speaker Aggregation	14
1.4	Speaker Aggregation, Excluding Outliers	20
1.5	Verbosity Quartiles, Speaker Aggregation	26
1.6	Quotation Aggregation, Split by Parties	29
1.7	Quotation Aggregation Scores for Individual Politicians	35
1.8	Quotation Aggregation Scores for all but one Speaker	36
1.9	Influence of the Placement of the Discontinuity on RDD performance	37
2	Tables	38

1 Figures

1.1 Quotation Aggregation

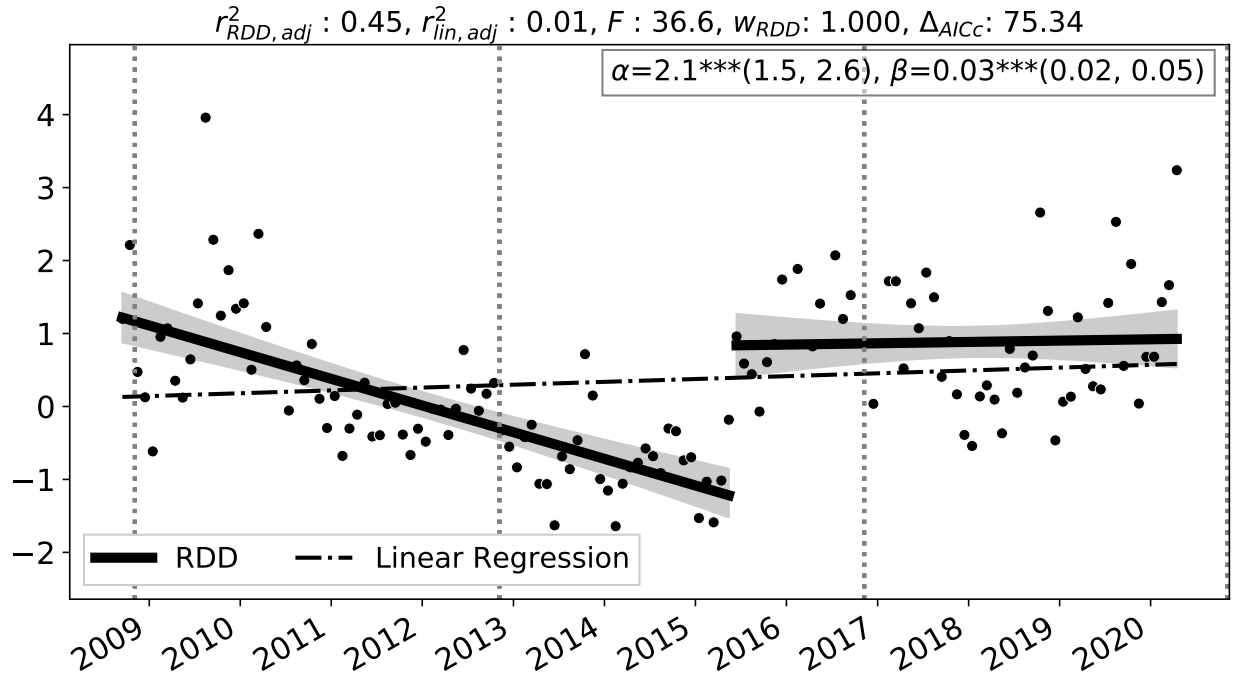


Figure 1: Neg. Emotion (empath): Quotation Aggregation

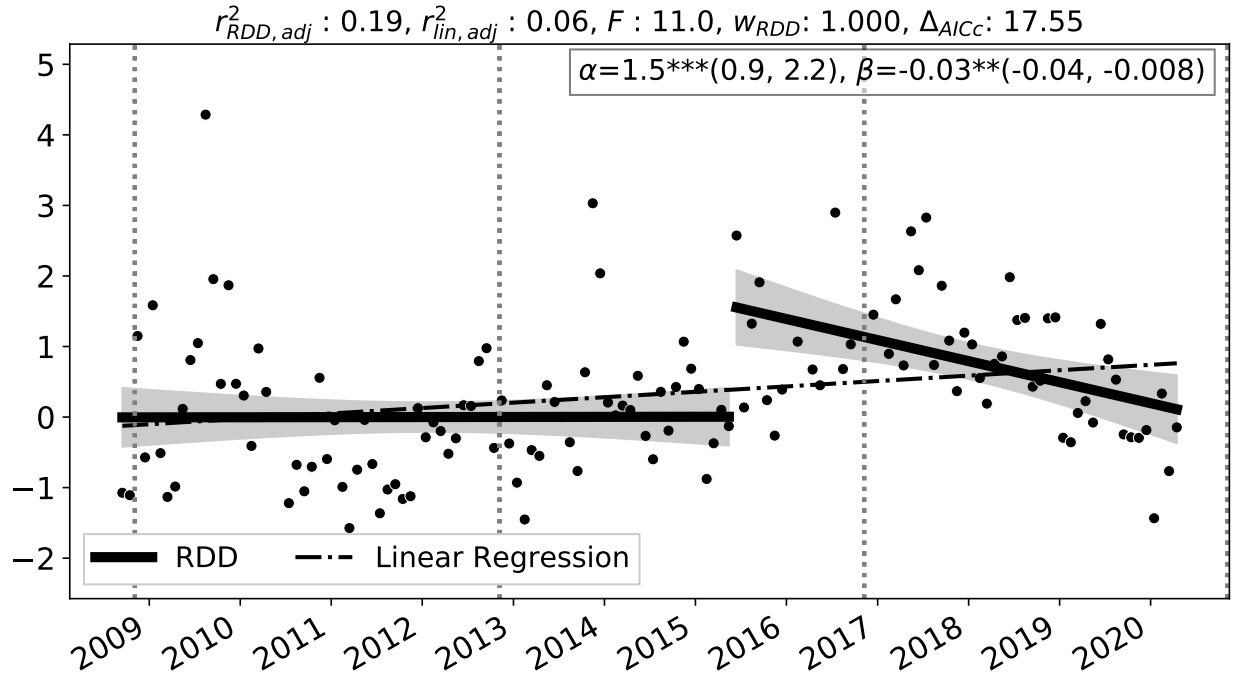


Figure 2: Pos. Emotion (empathy): Quotation Aggregation

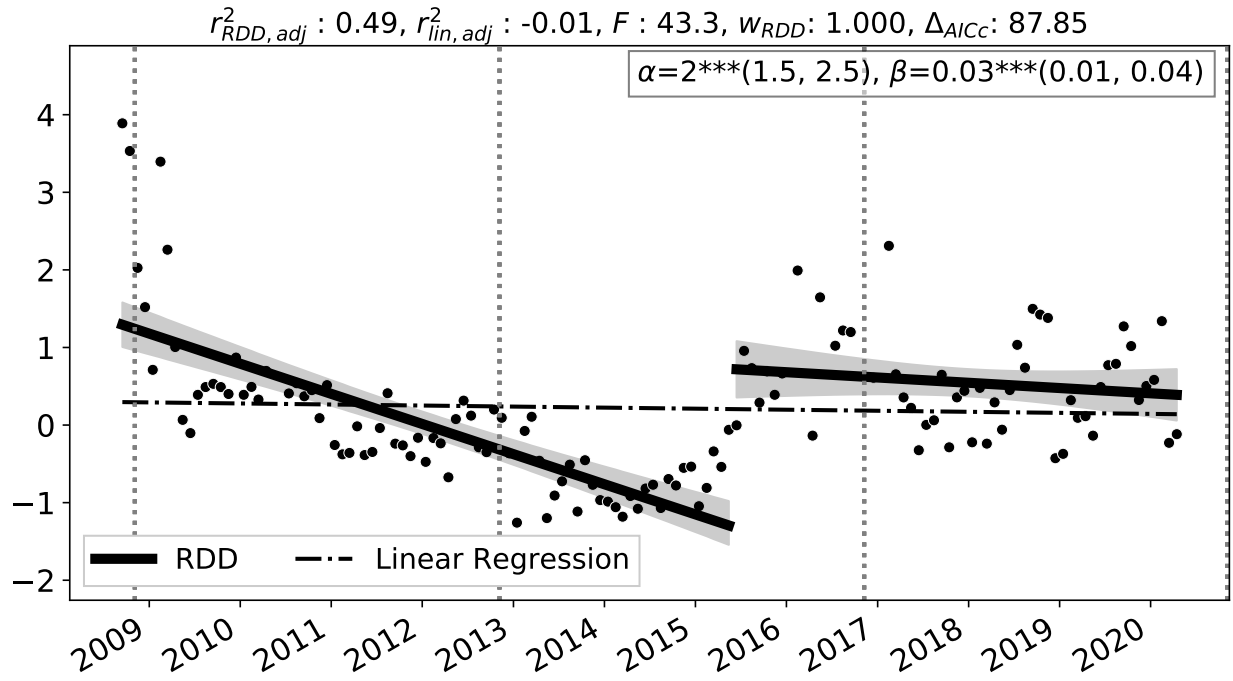


Figure 3: Swearing (empathy): Quotation Aggregation

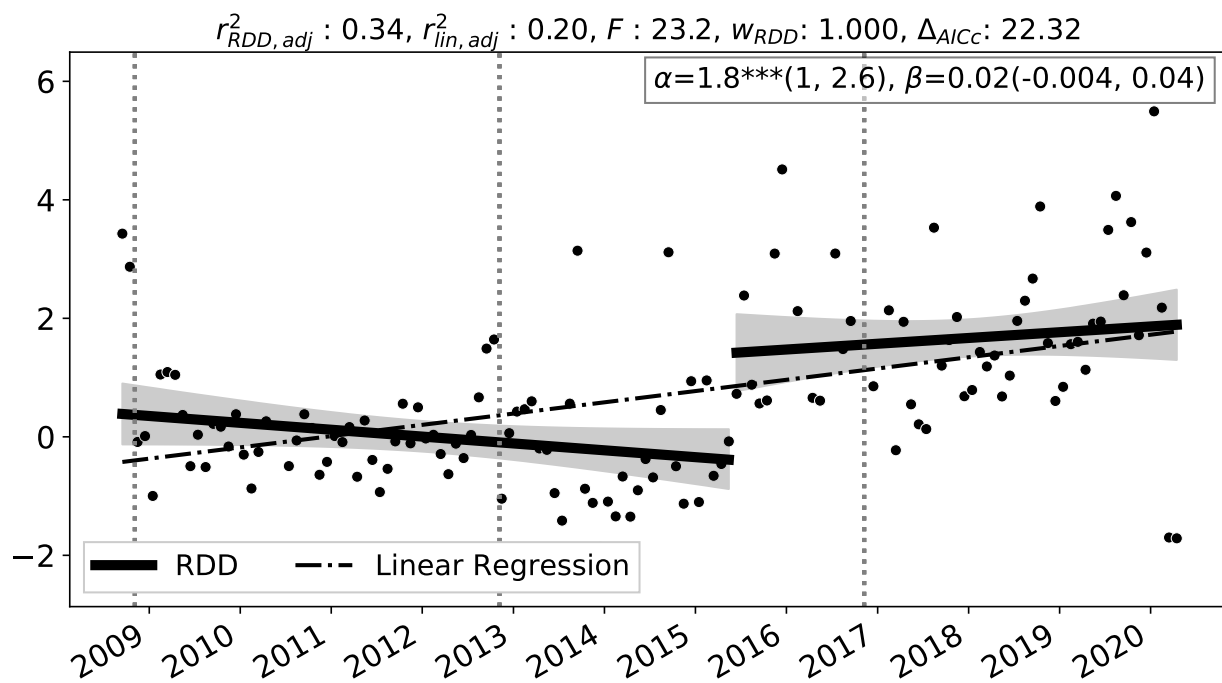


Figure 4: Anger: Quotation Aggregation

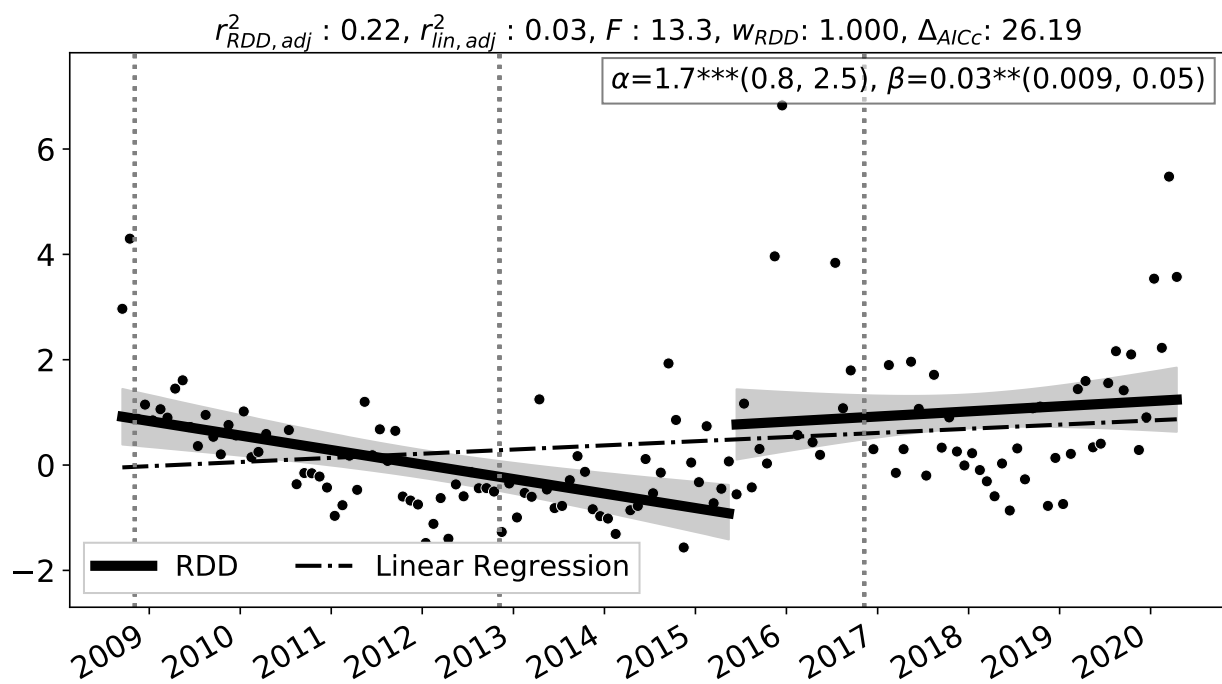


Figure 5: Anxiety: Quotation Aggregation

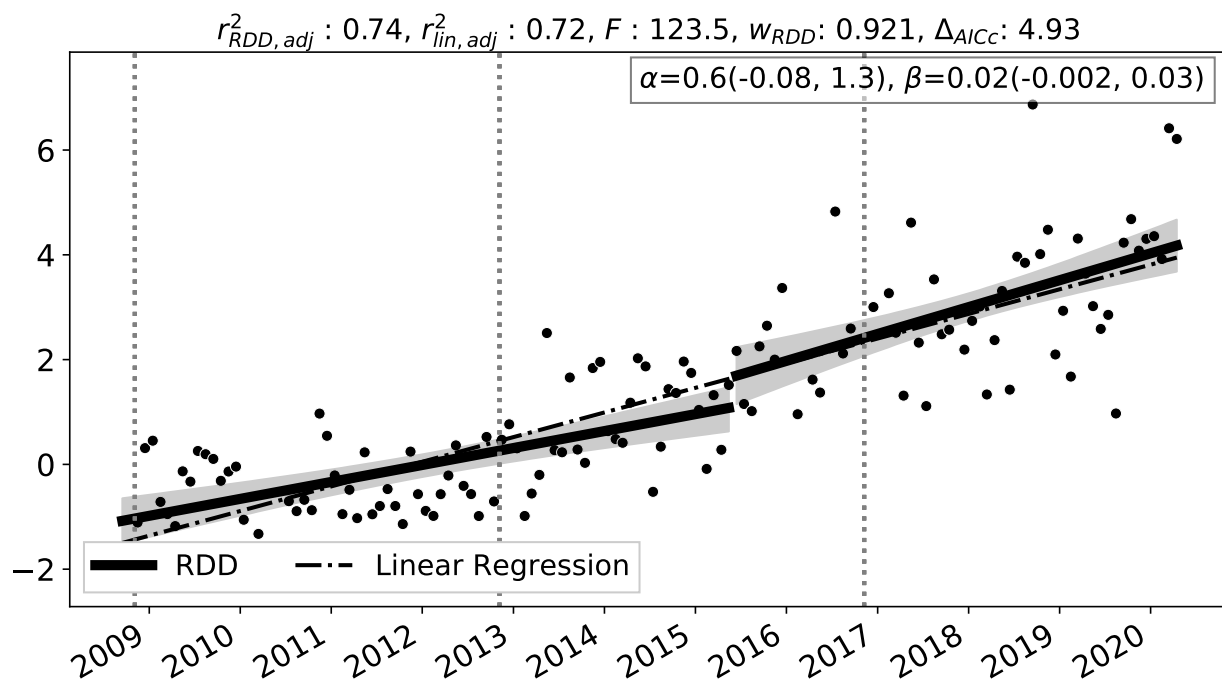


Figure 6: Certainty: Quotation Aggregation

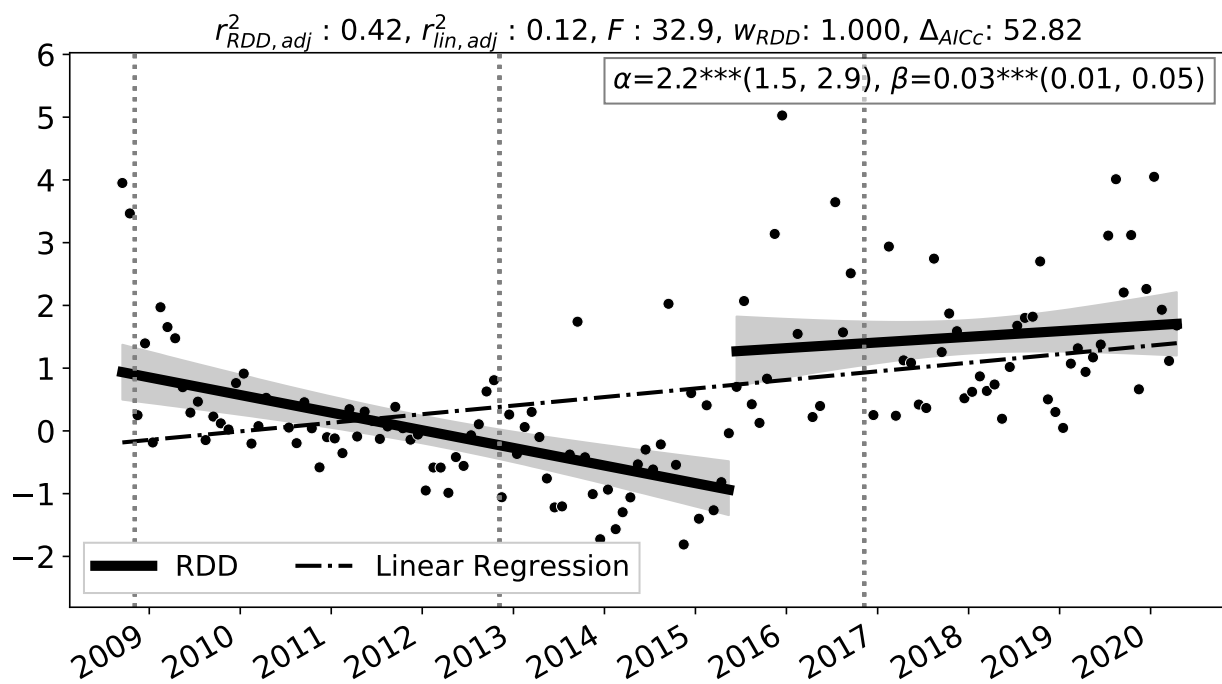


Figure 7: Negative Emotions: Quotation Aggregation

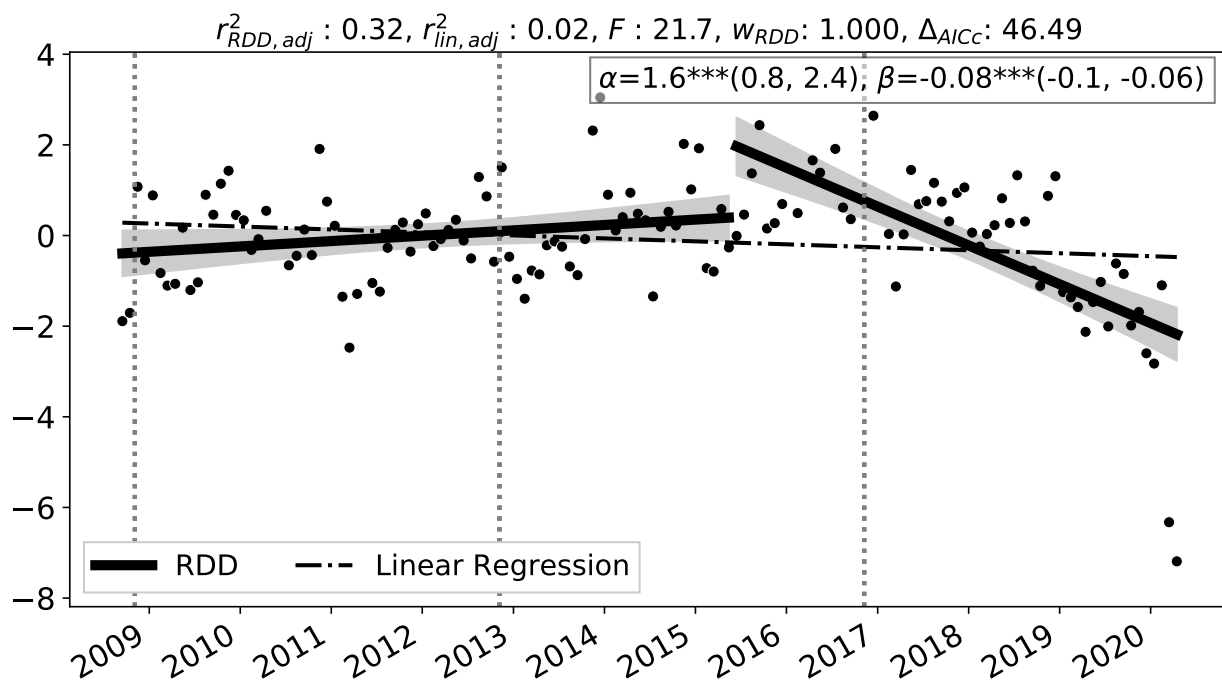


Figure 8: Positive Emotions: Quotation Aggregation

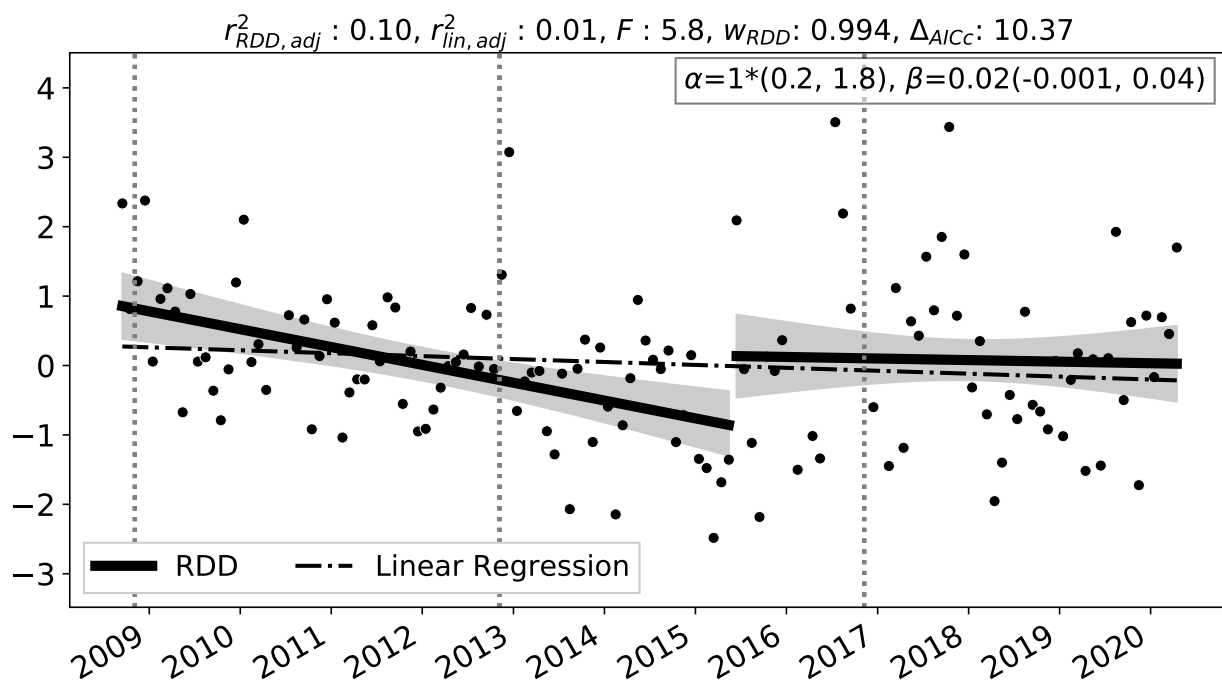


Figure 9: Sadness: Quotation Aggregation

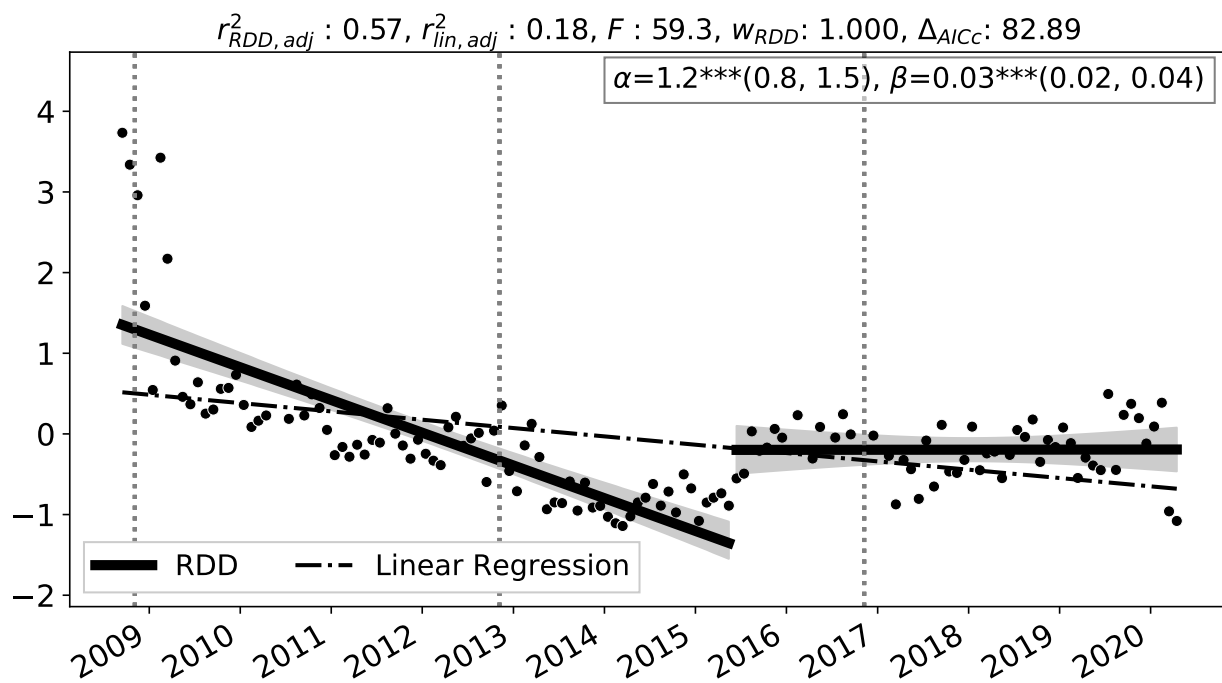


Figure 10: Swearing Terms: Quotation Aggregation

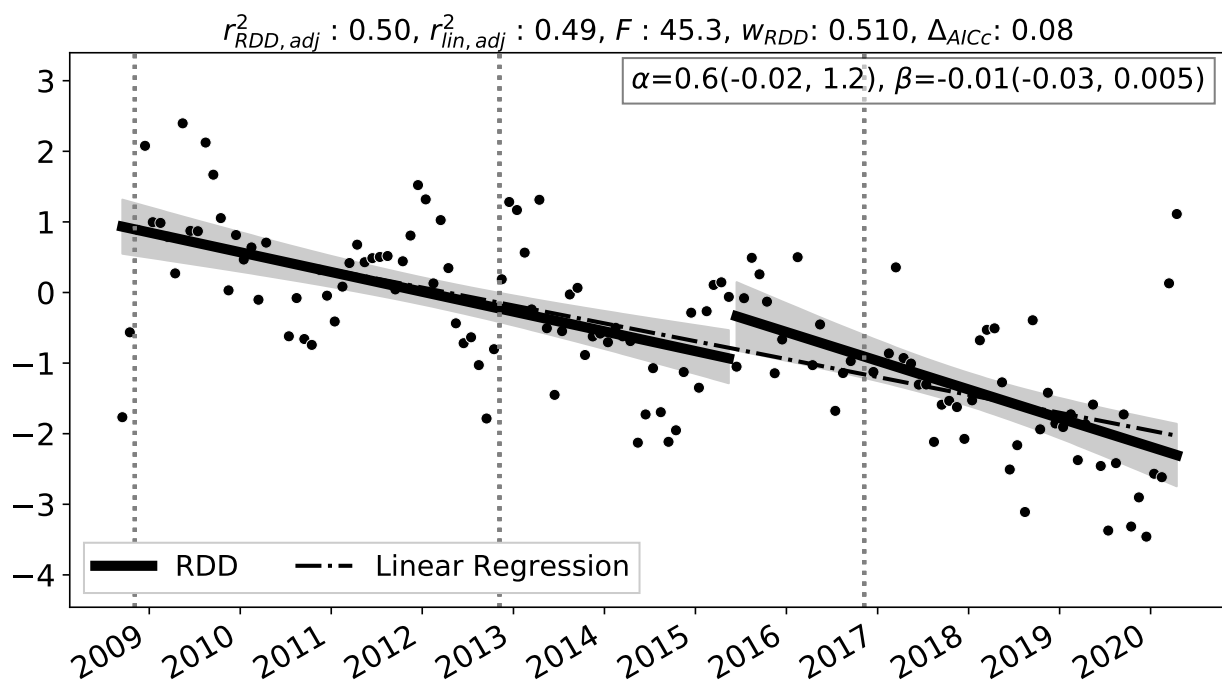


Figure 11: Tentativeness: Quotation Aggregation

1.2 Quotation Aggregation, Excluding Outliers

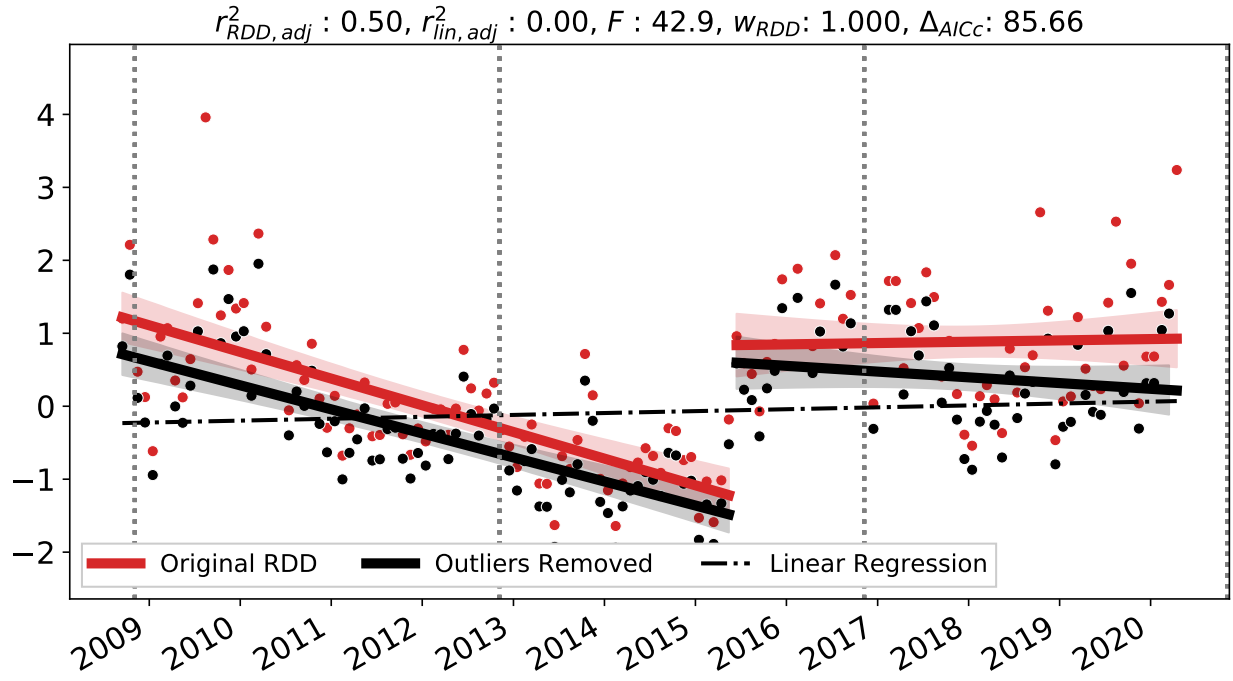


Figure 12: Neg. Emotion (empath): Quotation Aggregation (Outliers removed)

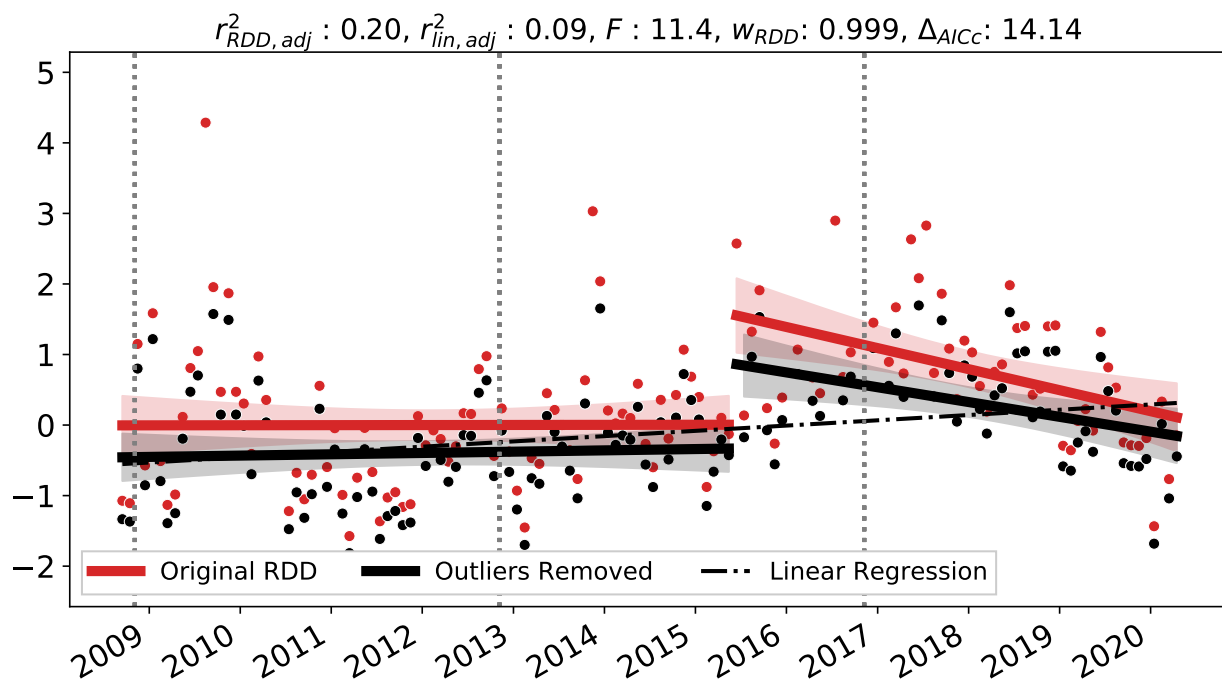


Figure 13: Pos. Emotion (empathy): Quotation Aggregation (Outliers removed)

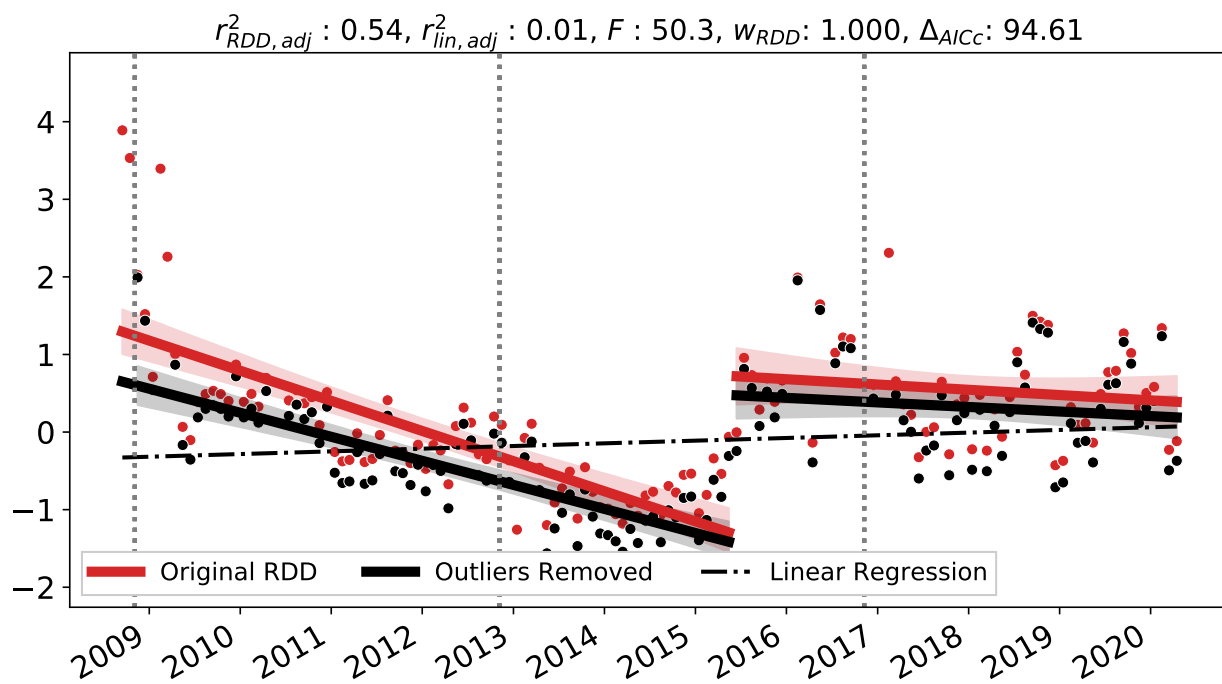


Figure 14: Swearing (empathy): Quotation Aggregation (Outliers removed)

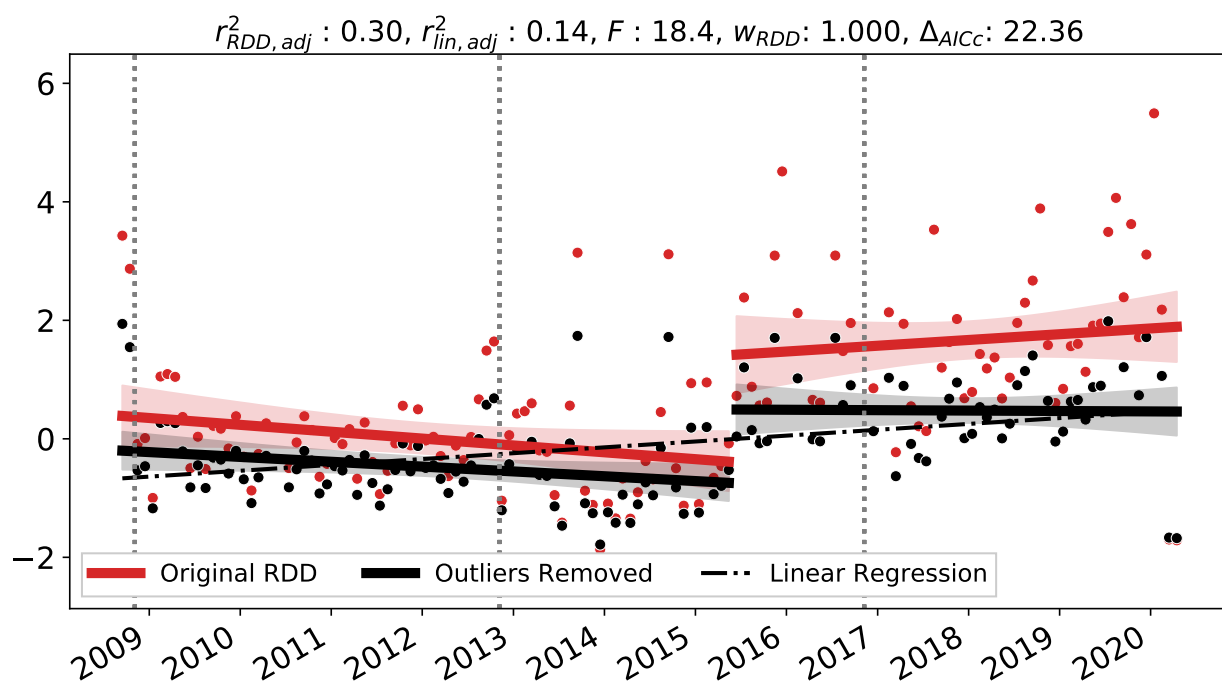


Figure 15: Anger: Quotation Aggregation (Outliers removed)

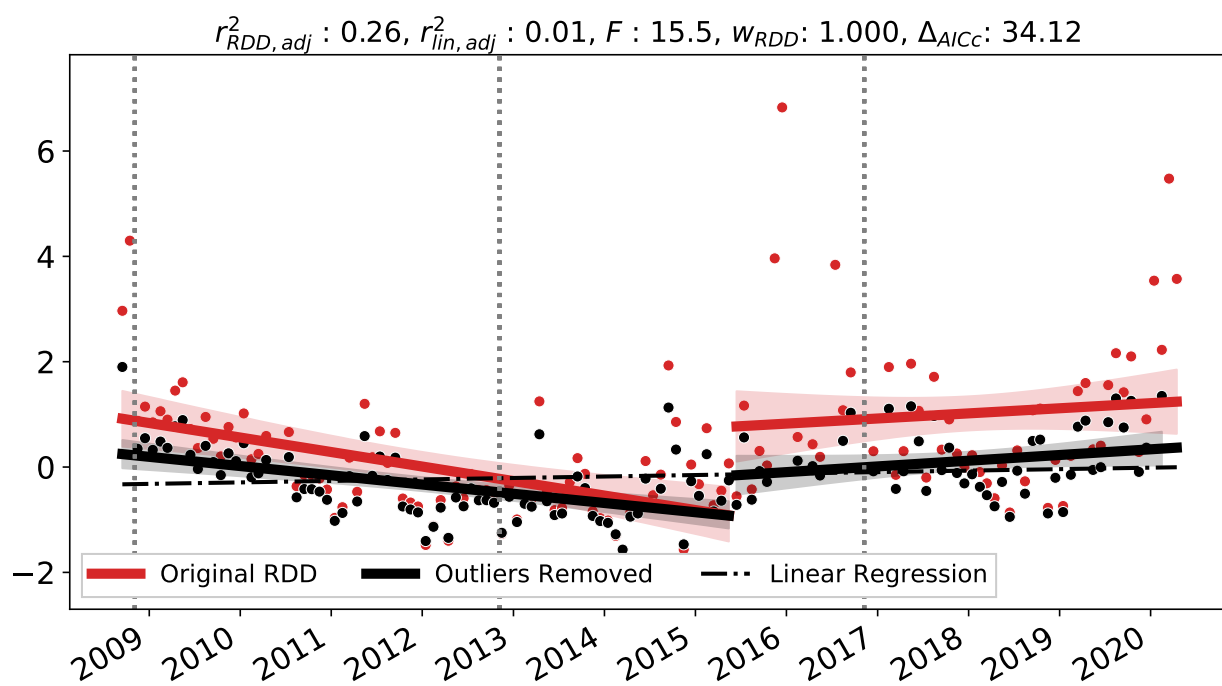


Figure 16: Anxiety: Quotation Aggregation (Outliers removed)

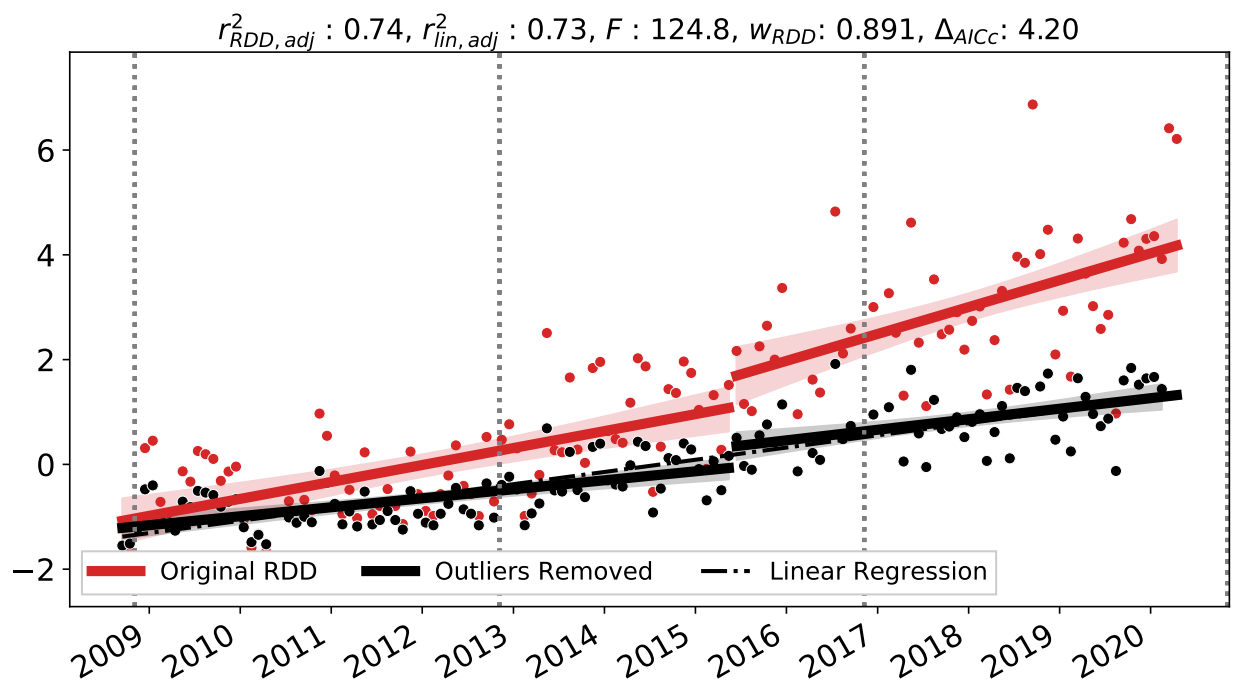


Figure 17: Certainty: Quotation Aggregation (Outliers removed)

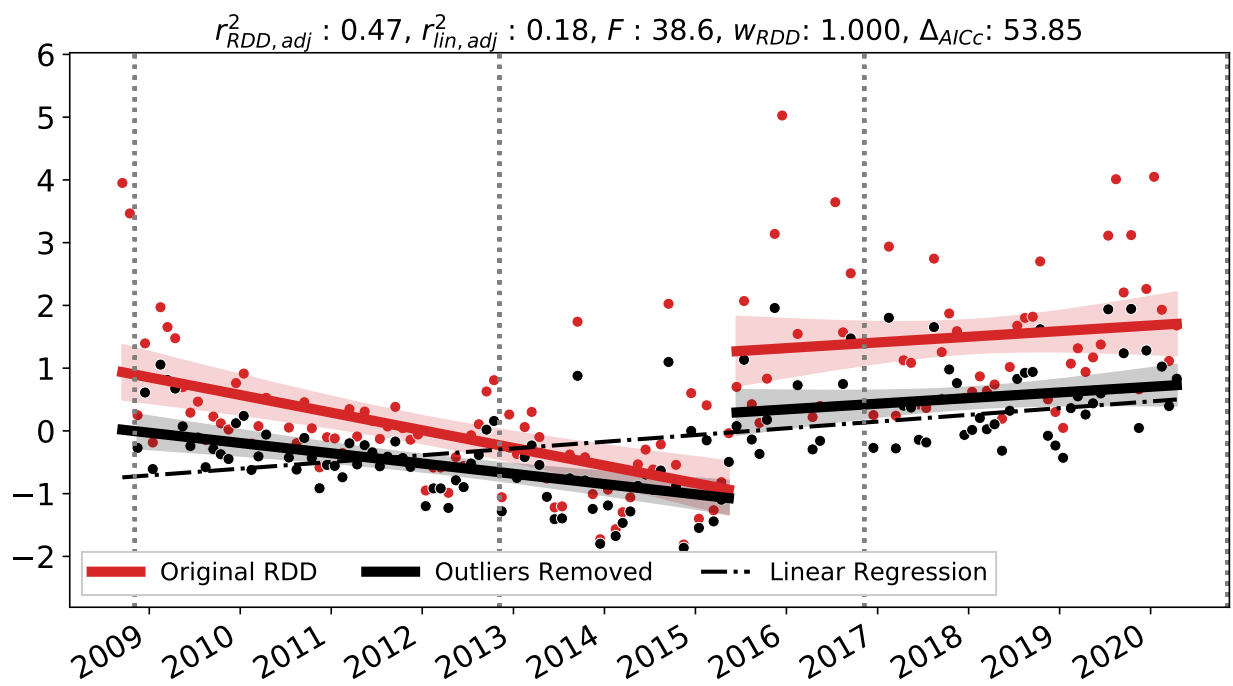


Figure 18: Negative Emotions: Quotation Aggregation (Outliers removed)

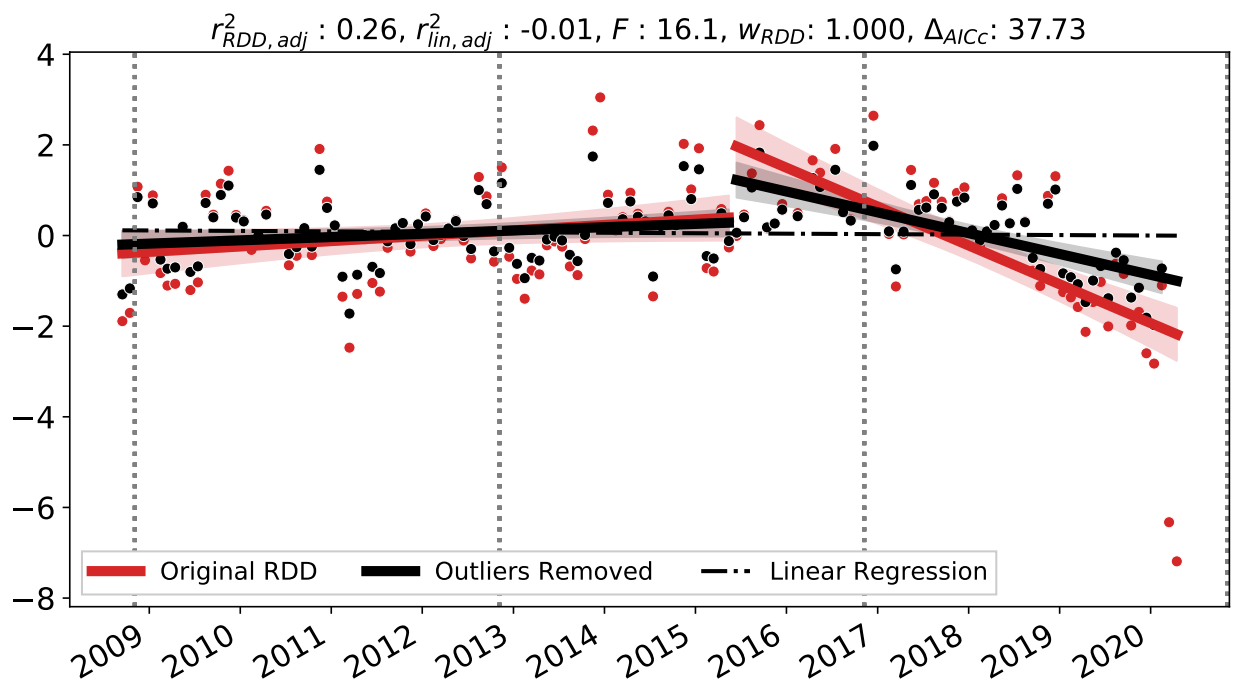


Figure 19: Positive Emotions: Quotation Aggregation (Outliers removed)

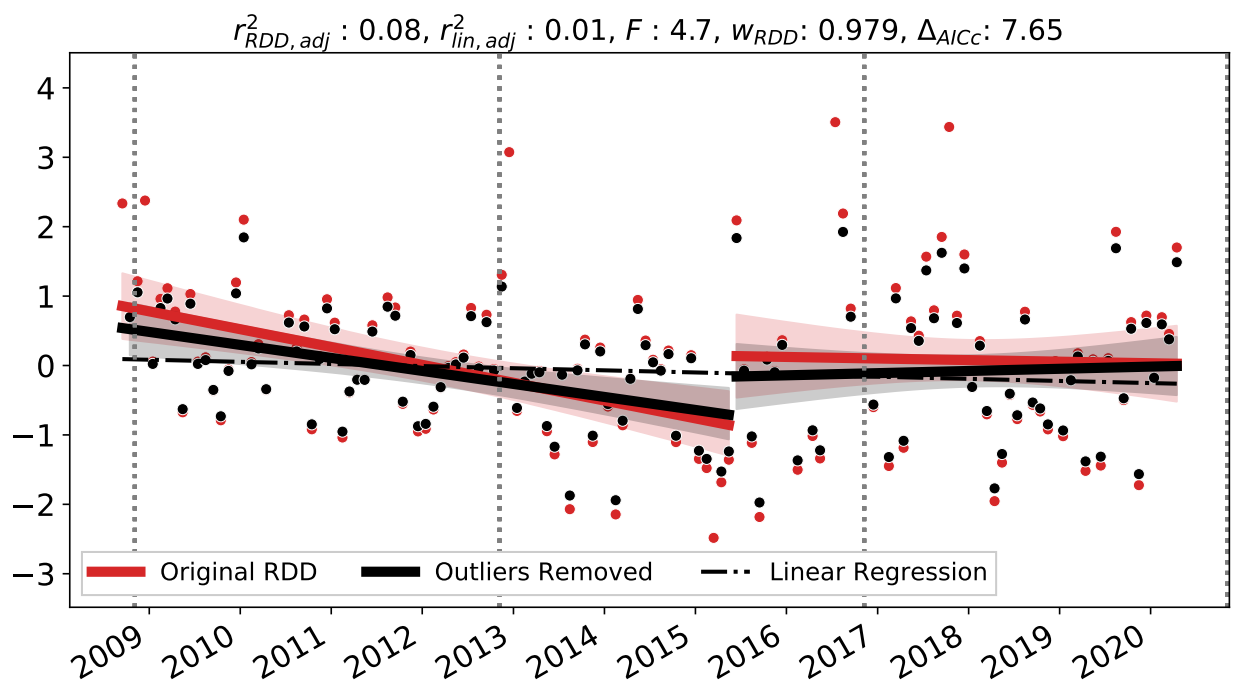


Figure 20: Sadness: Quotation Aggregation (Outliers removed)

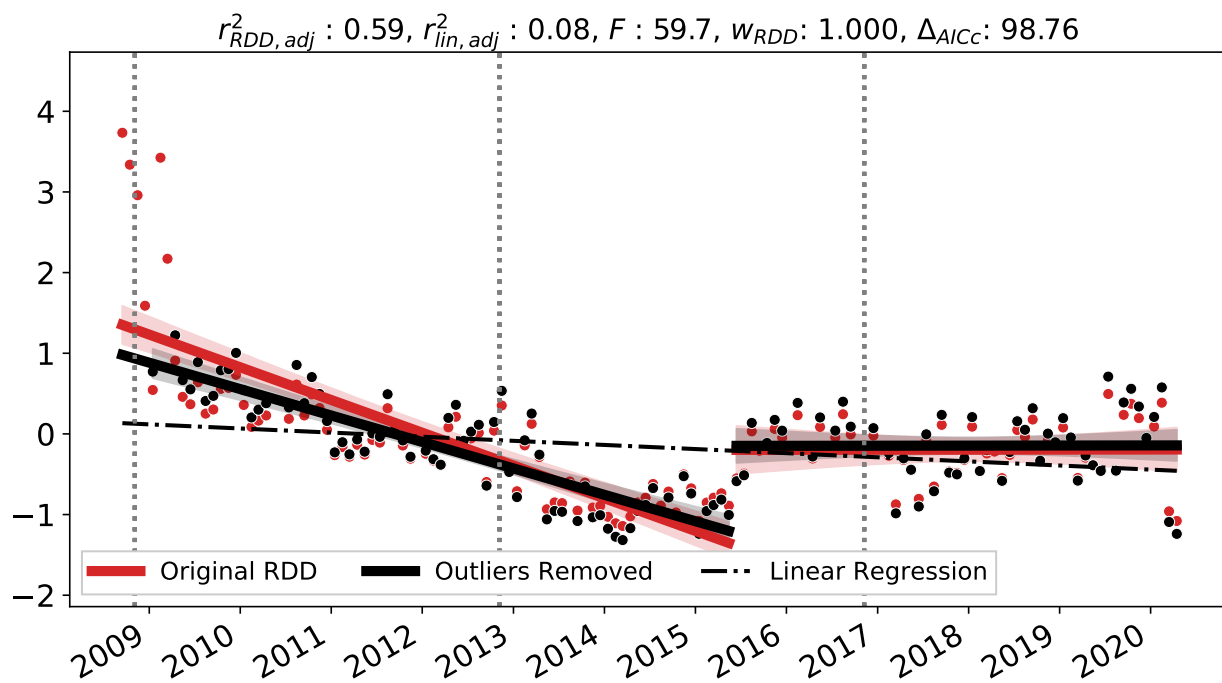


Figure 21: Swearing Terms: Quotation Aggregation (Outliers removed)

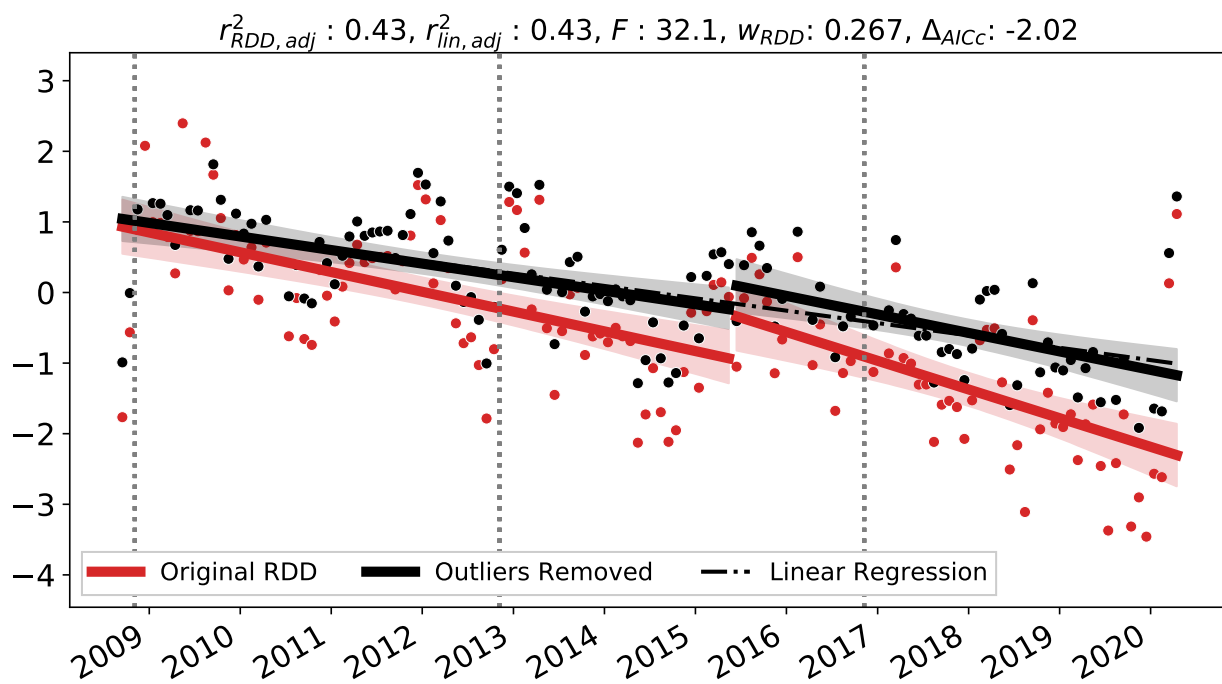


Figure 22: Tentativeness: Quotation Aggregation (Outliers removed)

1.3 Speaker Aggregation

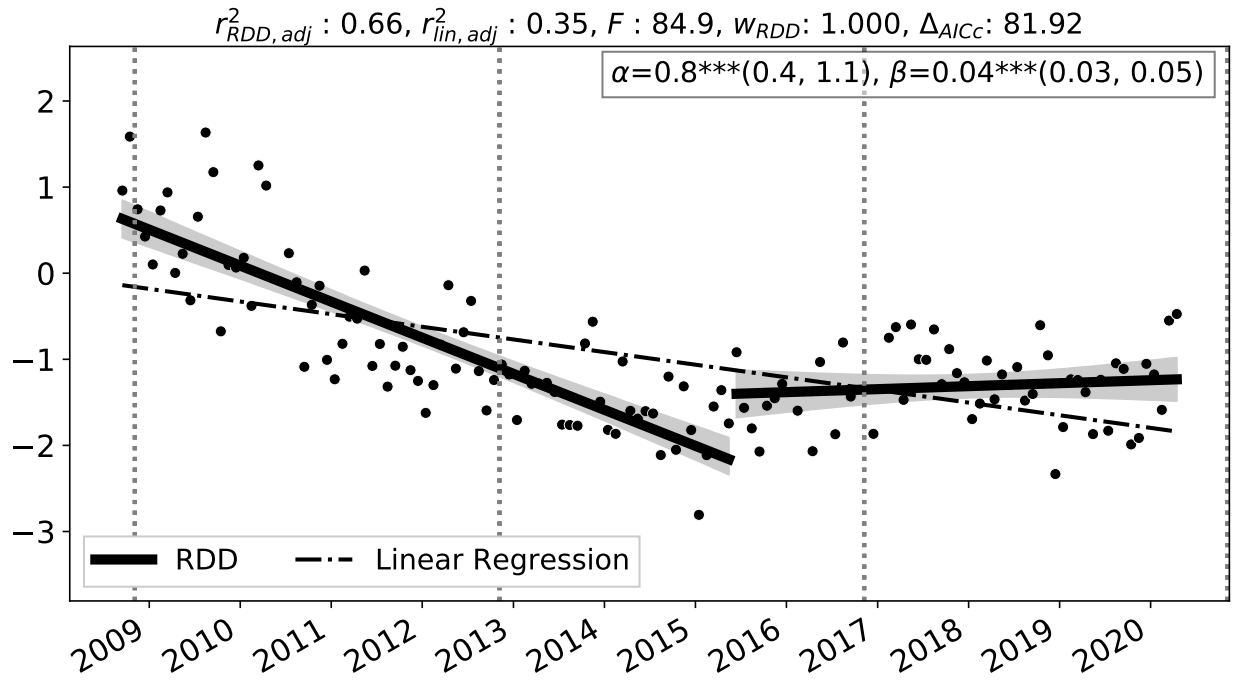


Figure 23: Neg. Emotion (empath): Speaker Aggregation

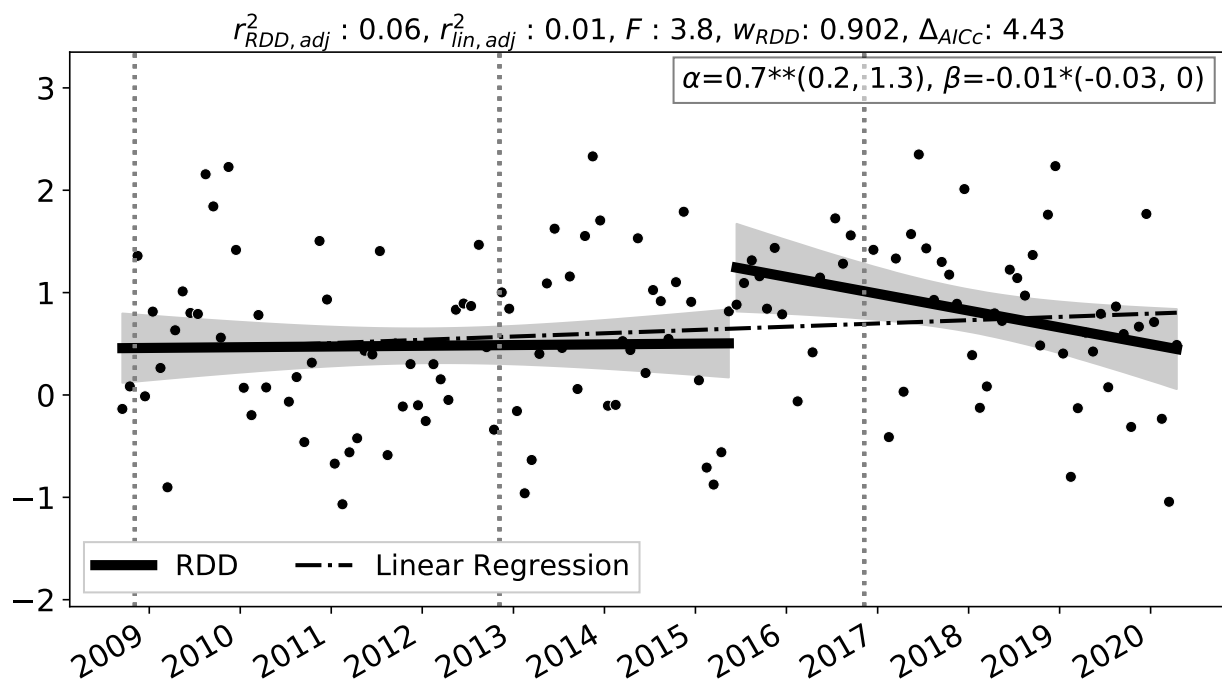


Figure 24: Pos. Emotion (empathy): Speaker Aggregation

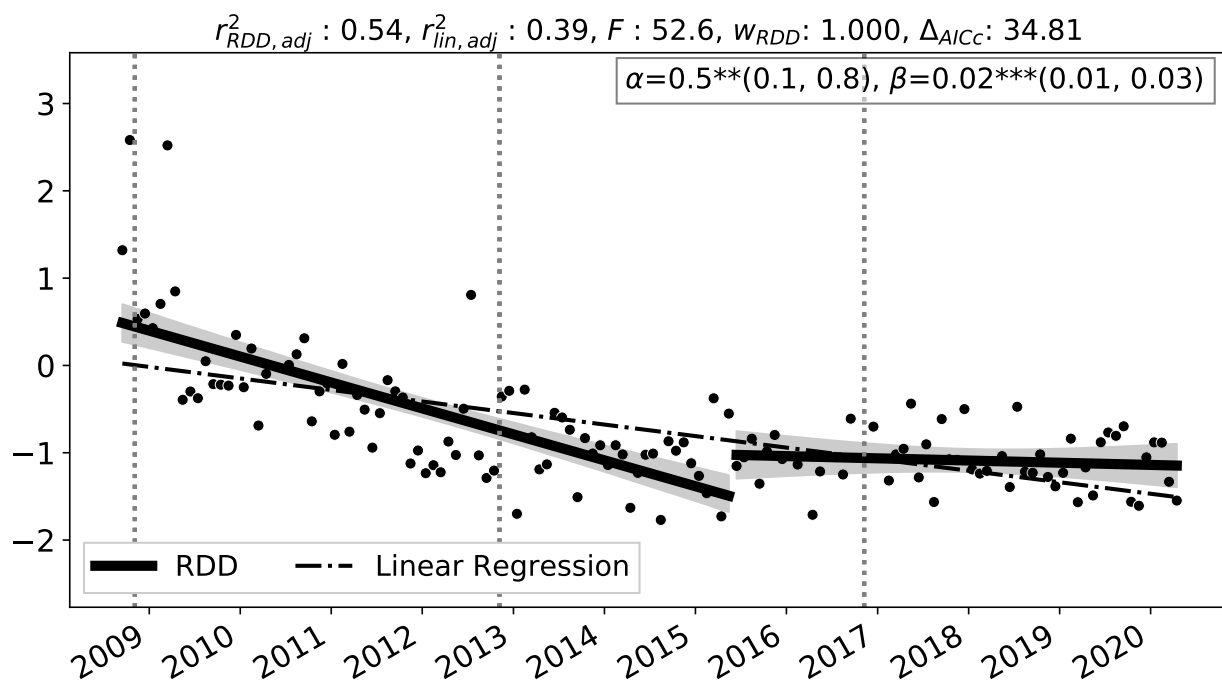


Figure 25: Swearing (empathy): Speaker Aggregation

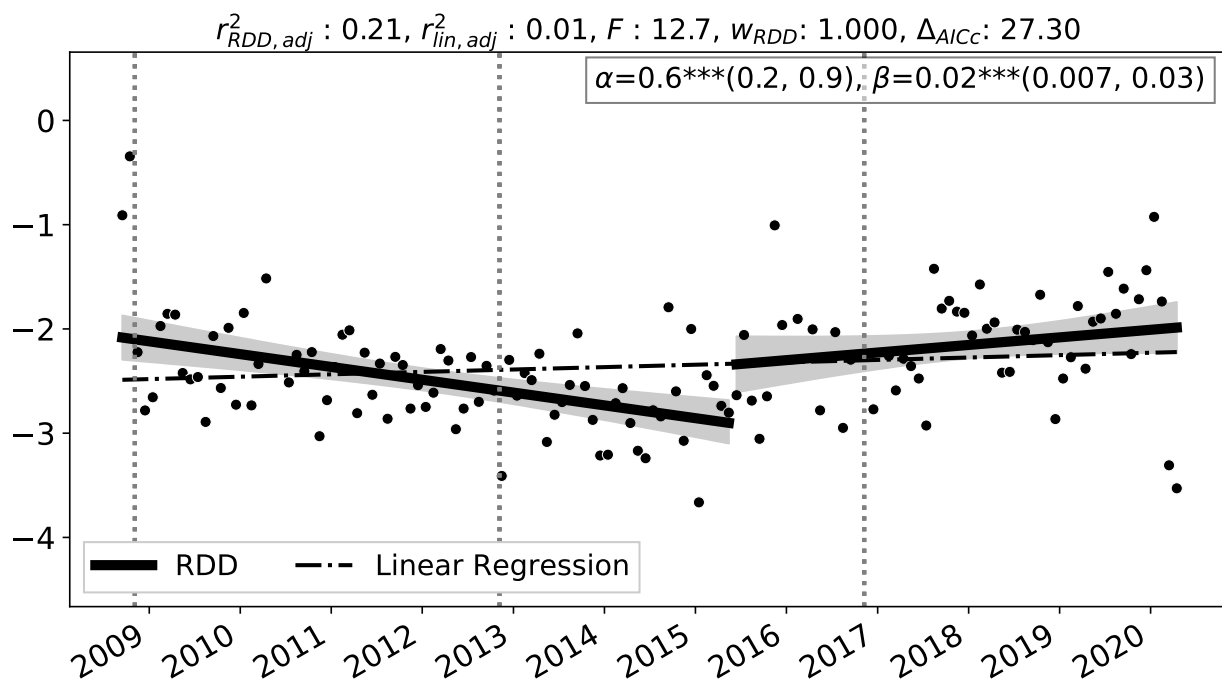


Figure 26: Anger: Speaker Aggregation

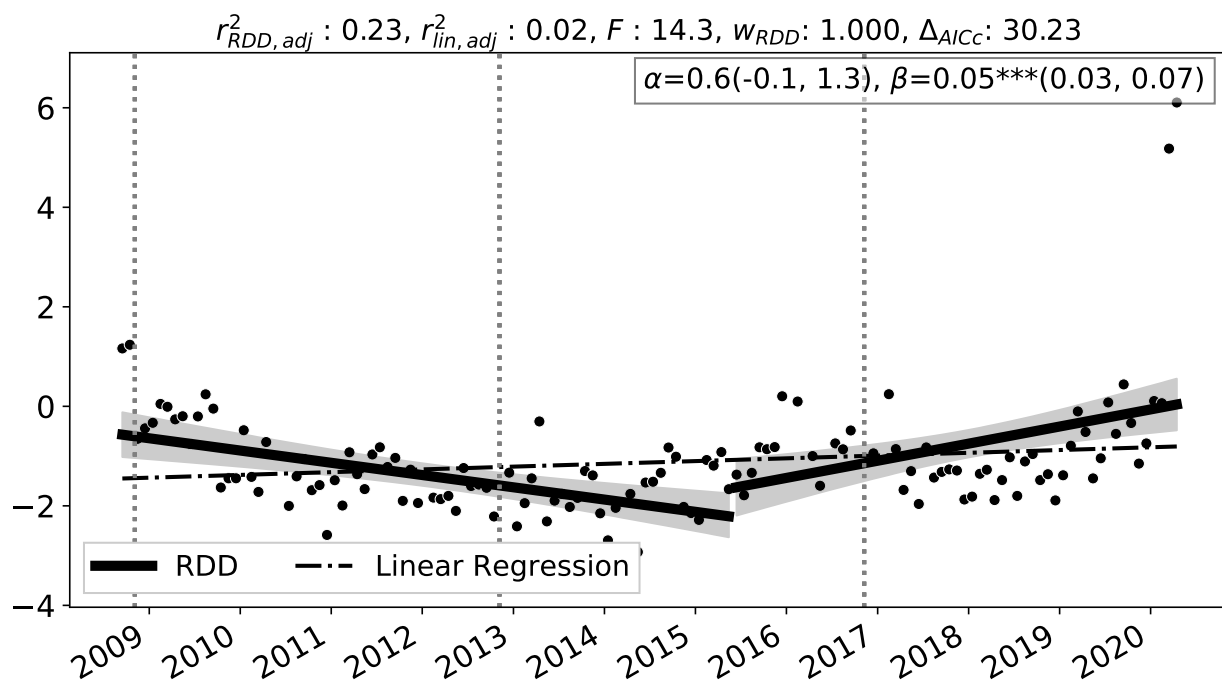


Figure 27: Anxiety: Speaker Aggregation

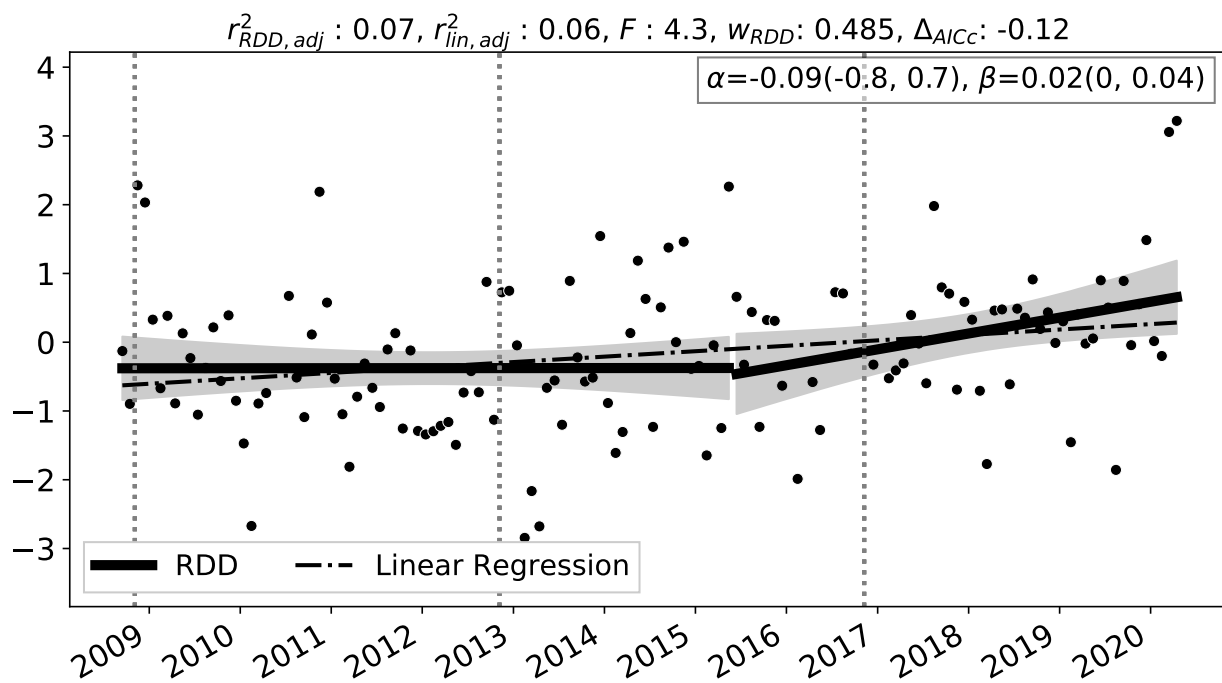


Figure 28: Certainty: Speaker Aggregation

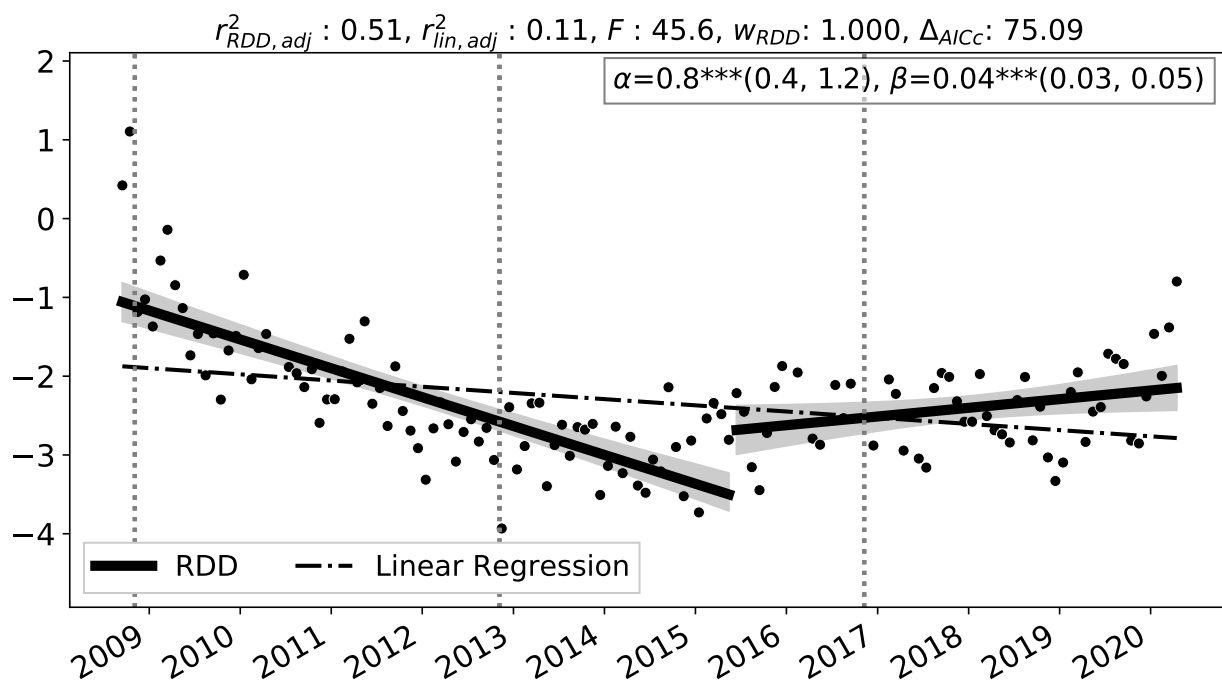


Figure 29: Negative Emotions: Speaker Aggregation

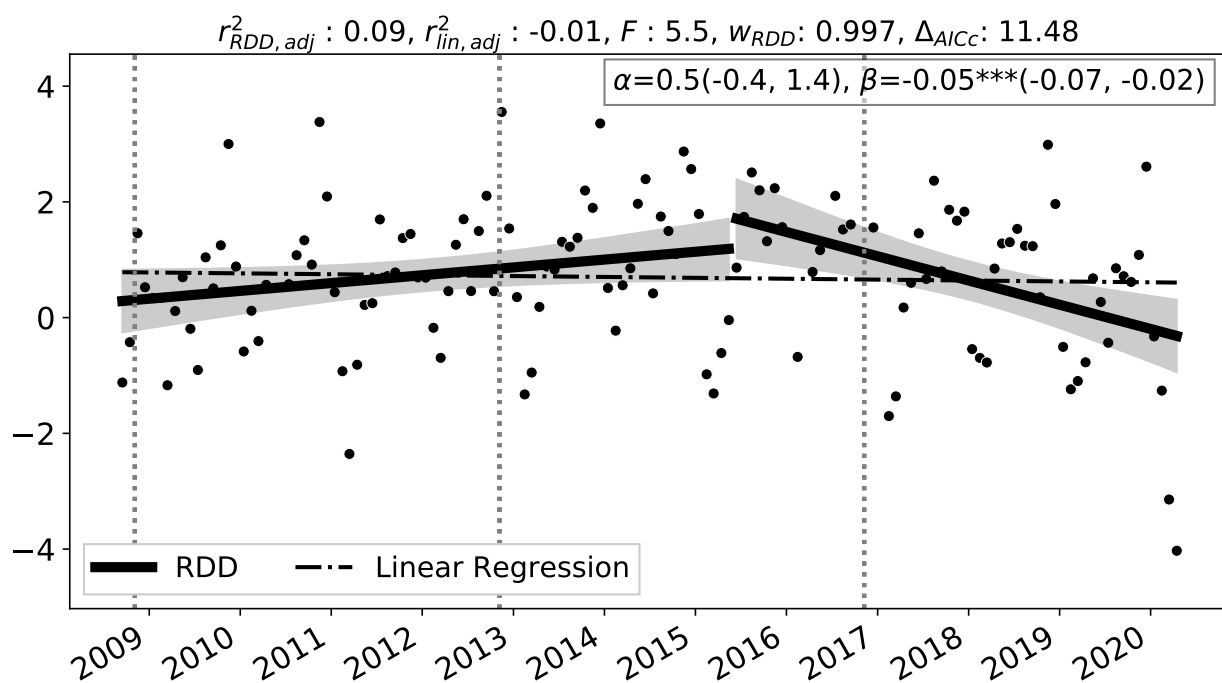


Figure 30: Positive Emotions: Speaker Aggregation

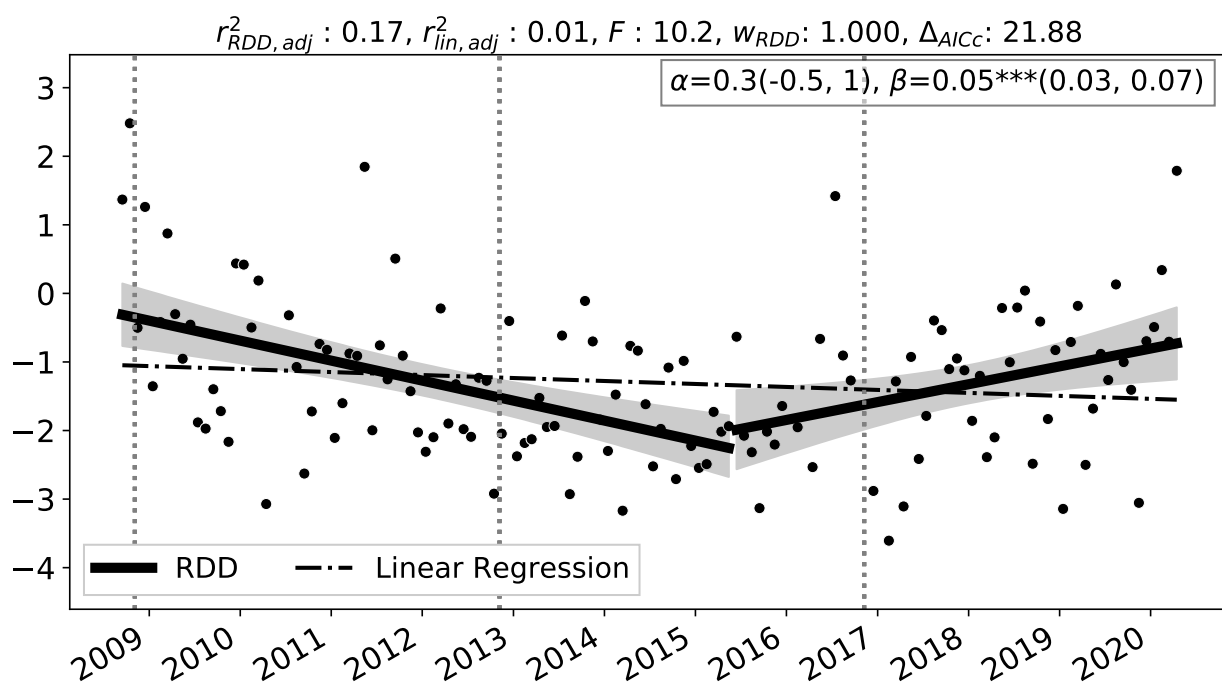


Figure 31: Sadness: Speaker Aggregation

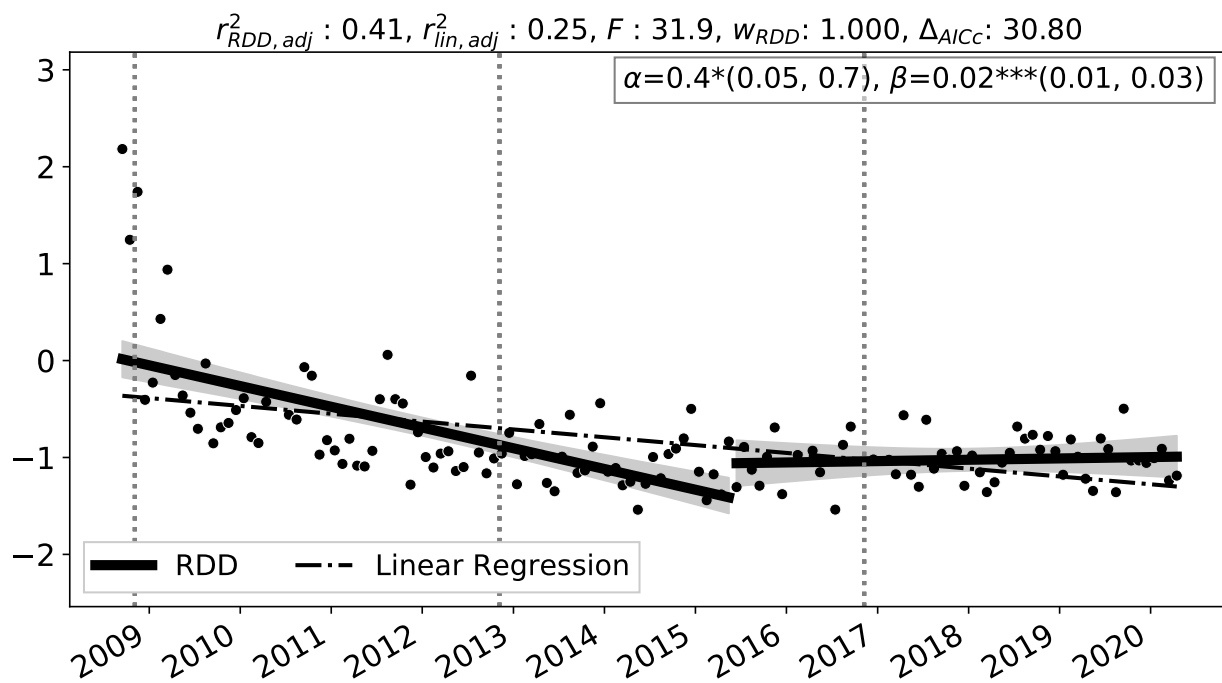


Figure 32: Swearing Terms: Speaker Aggregation

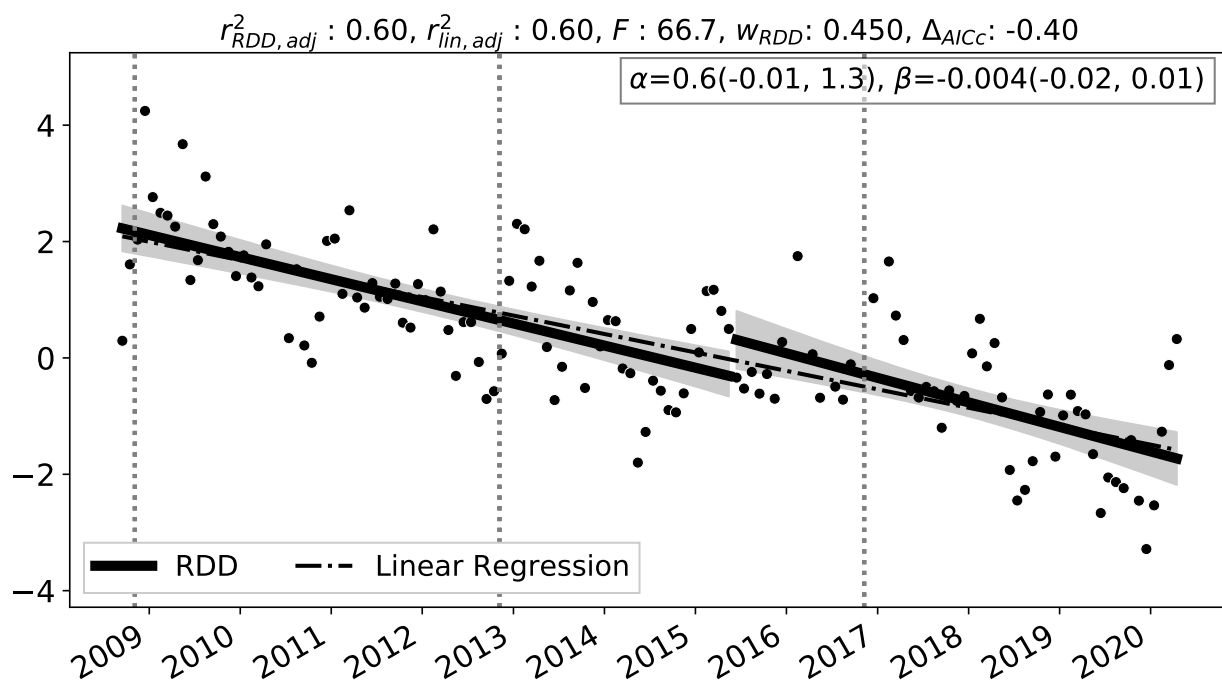


Figure 33: Tentativeness: Speaker Aggregation

1.4 Speaker Aggregation, Excluding Outliers

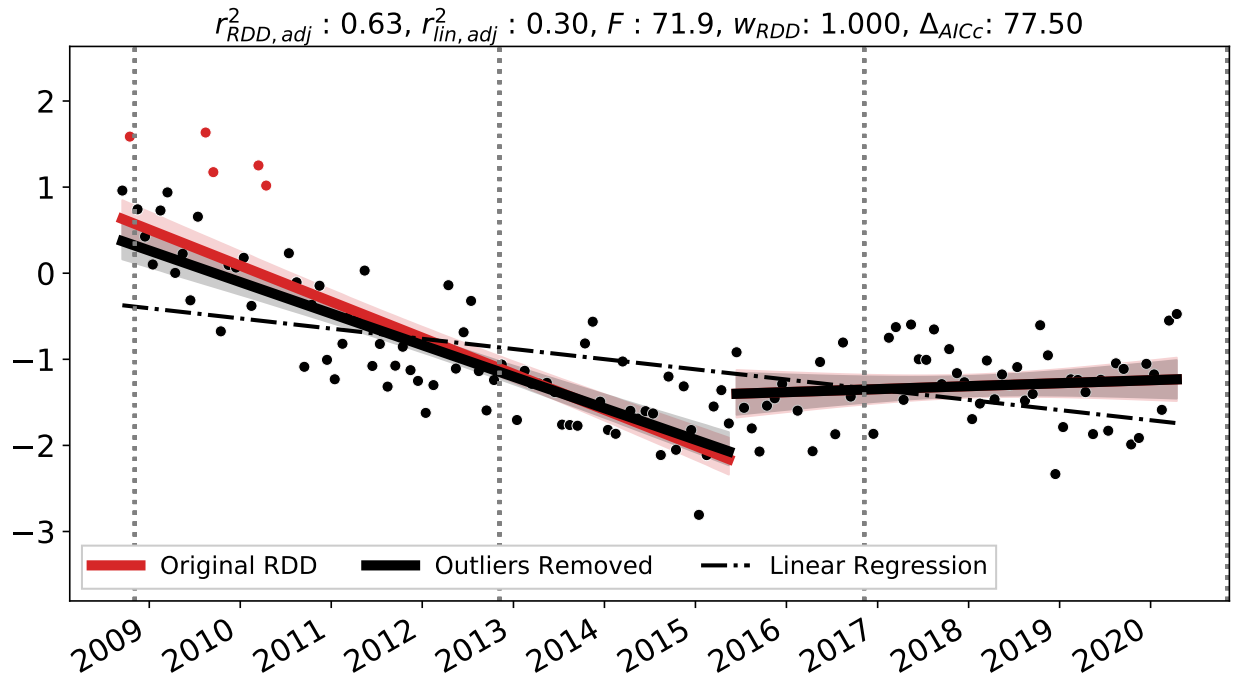


Figure 34: Neg. Emotion (empath): Speaker Aggregation (Outliers removed)

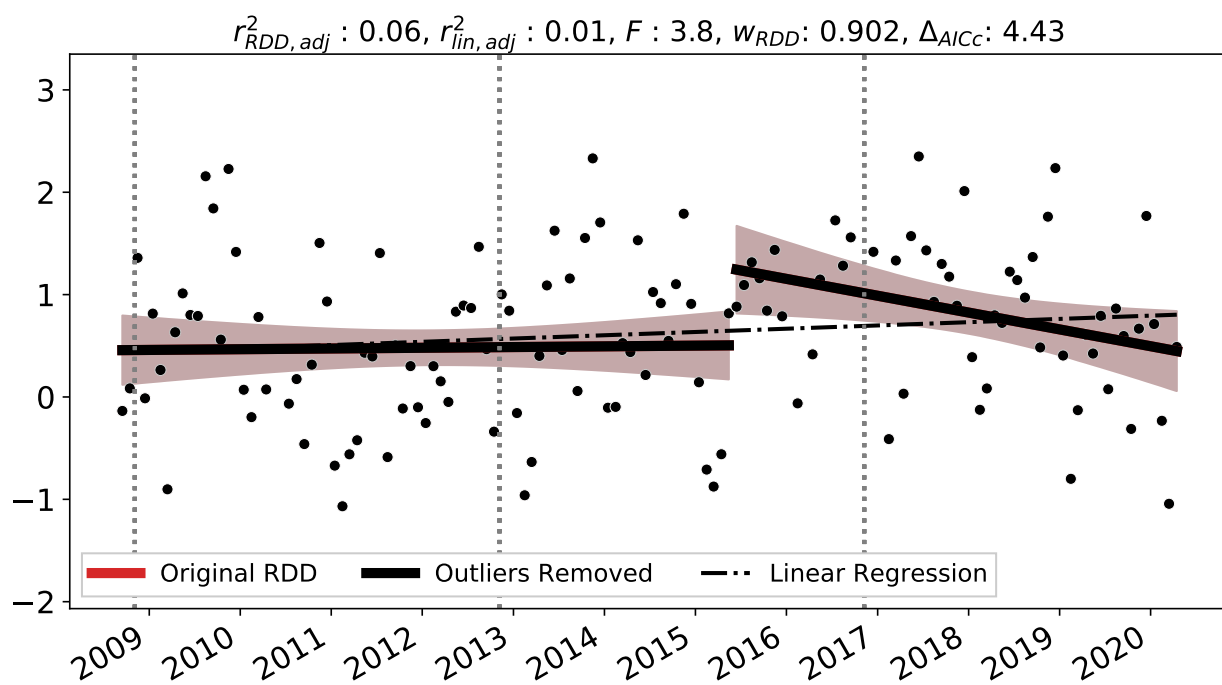


Figure 35: Pos. Emotion (empathy): Speaker Aggregation (Outliers removed)

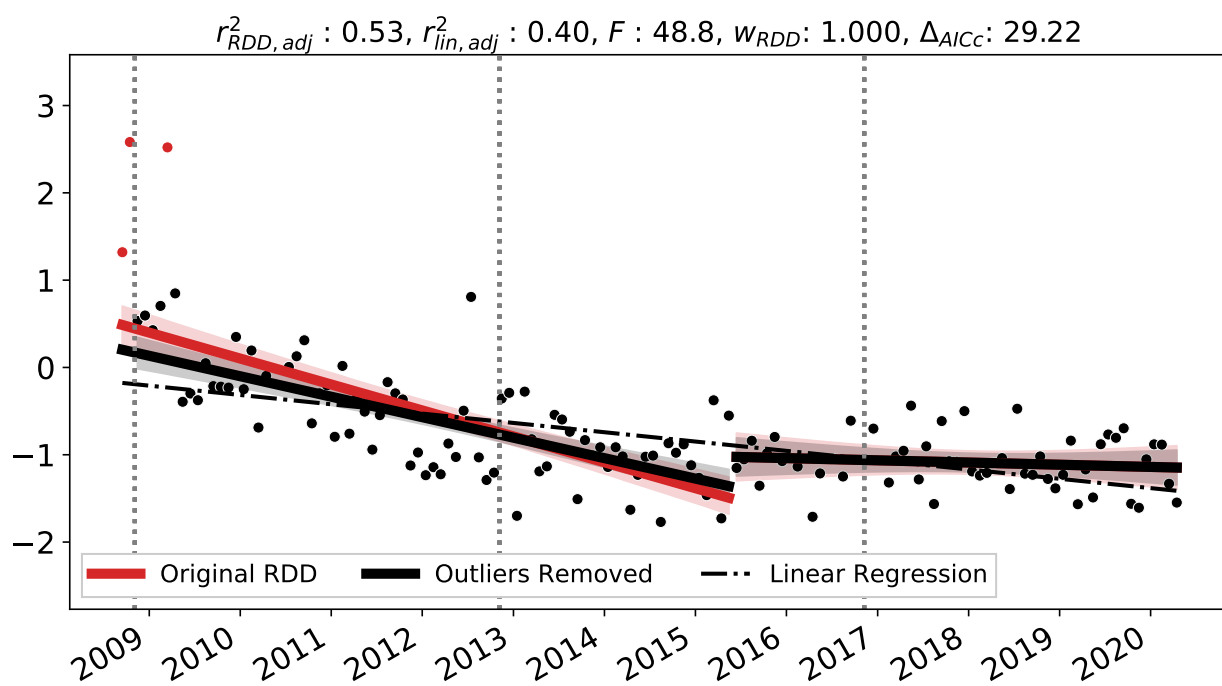


Figure 36: Swearing (empathy): Speaker Aggregation (Outliers removed)

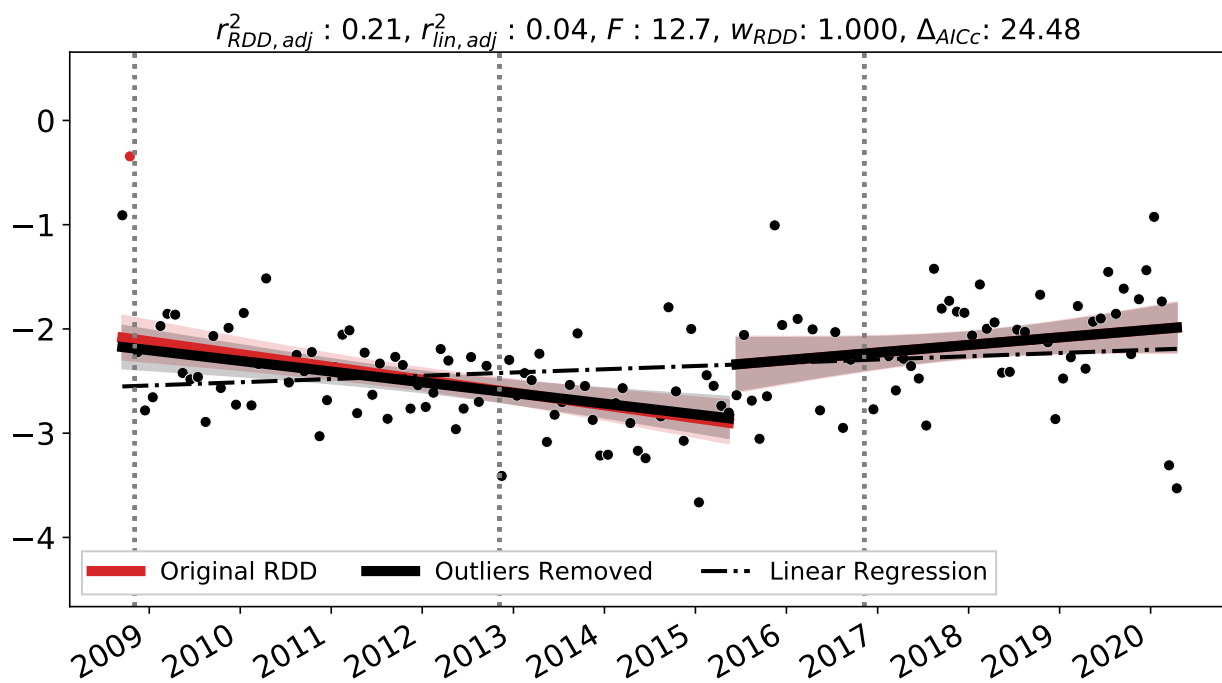


Figure 37: Anger: Speaker Aggregation (Outliers removed)

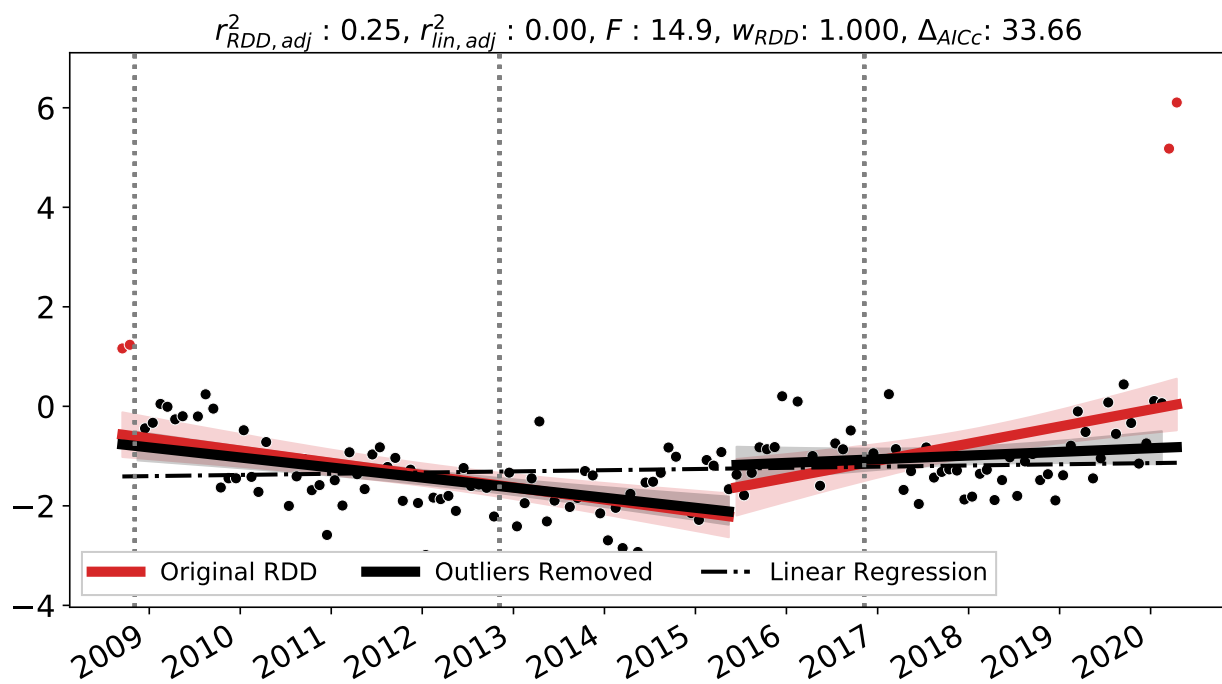


Figure 38: Anxiety: Speaker Aggregation (Outliers removed)

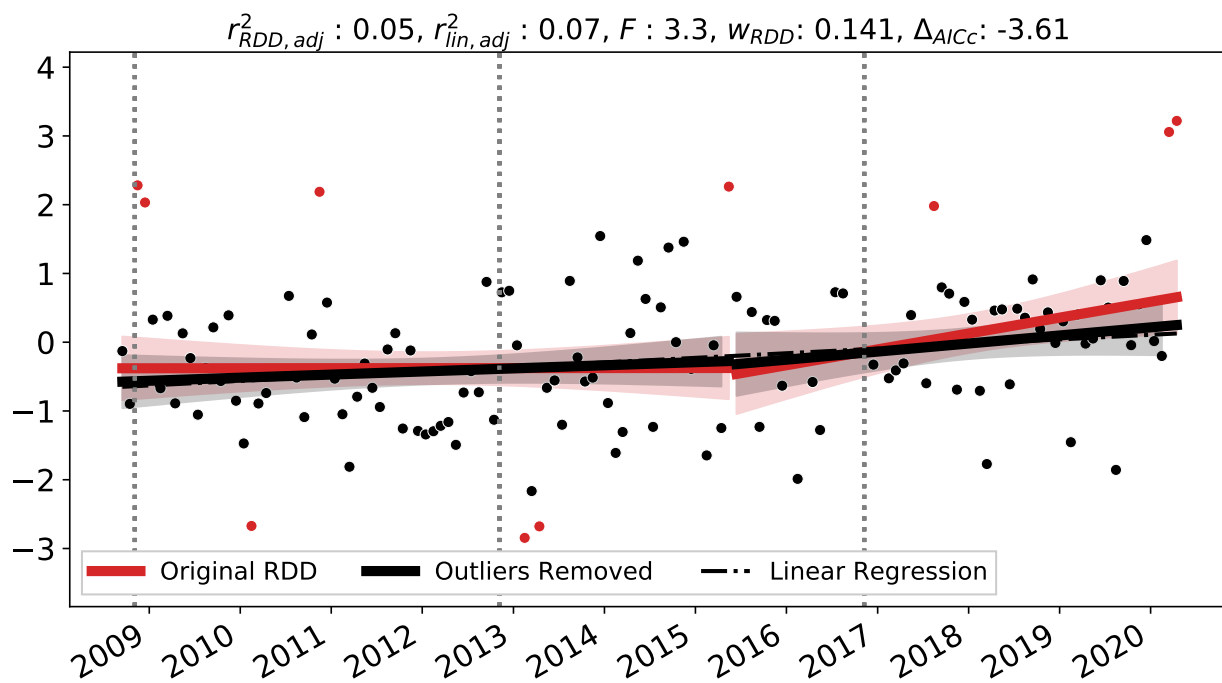


Figure 39: Certainty: Speaker Aggregation (Outliers removed)

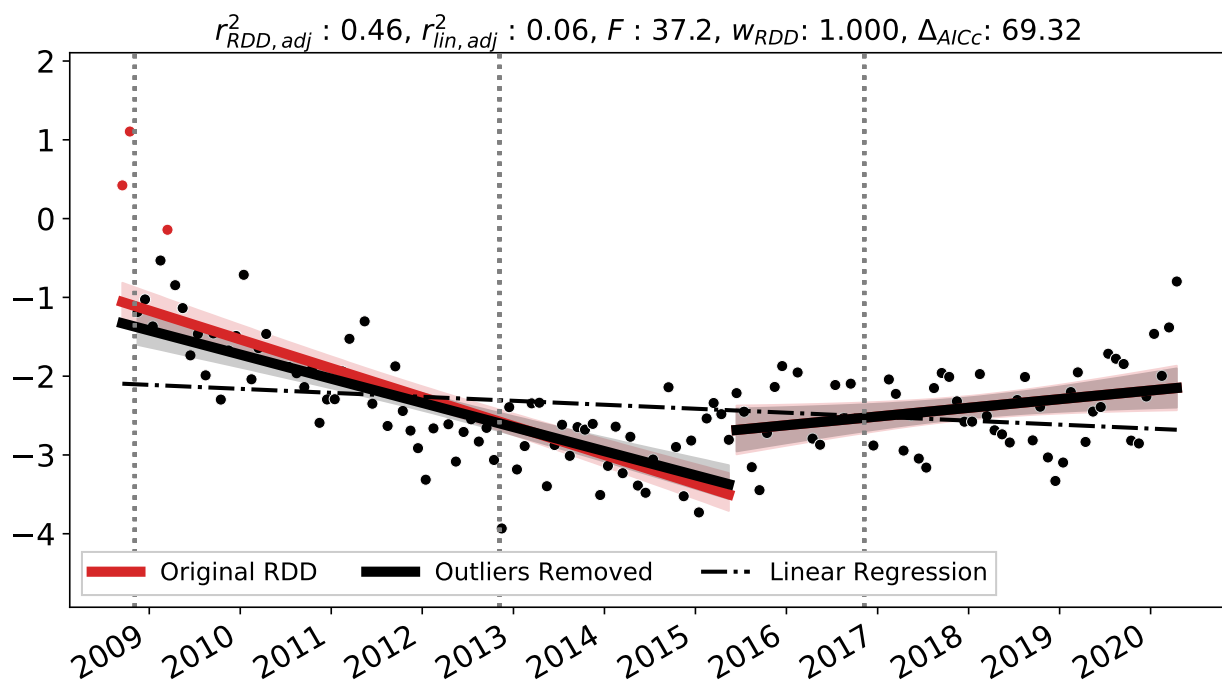


Figure 40: Negative Emotions: Speaker Aggregation (Outliers removed)

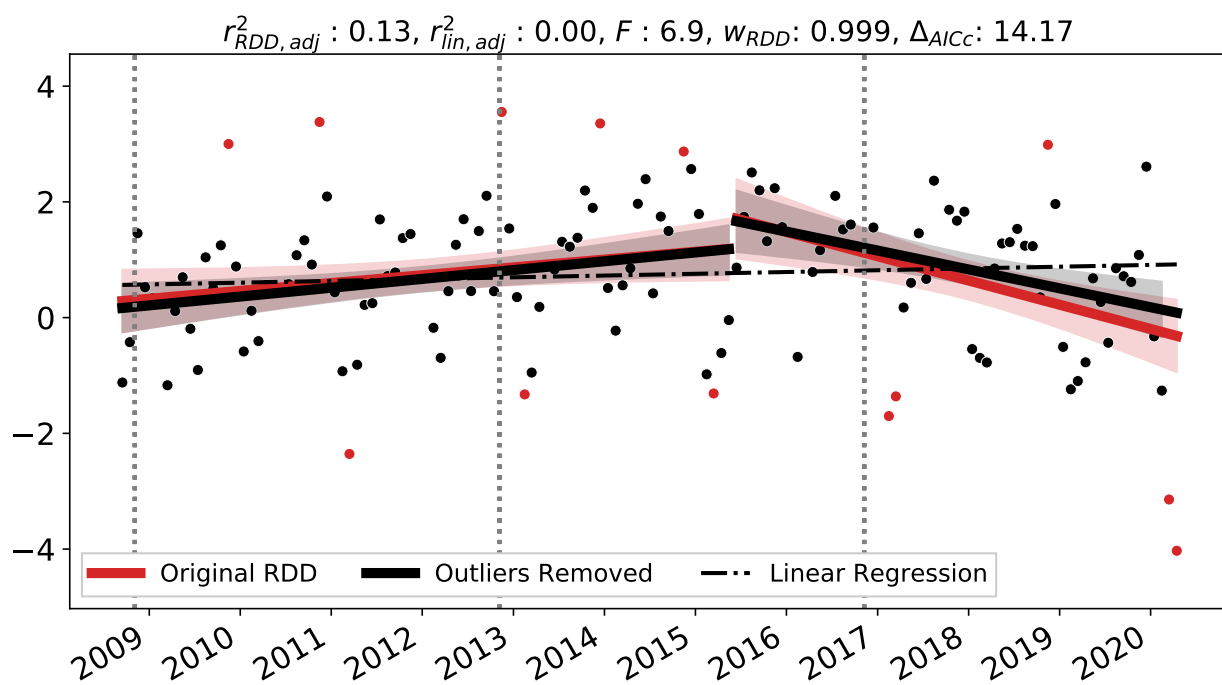


Figure 41: Positive Emotions: Speaker Aggregation (Outliers removed)

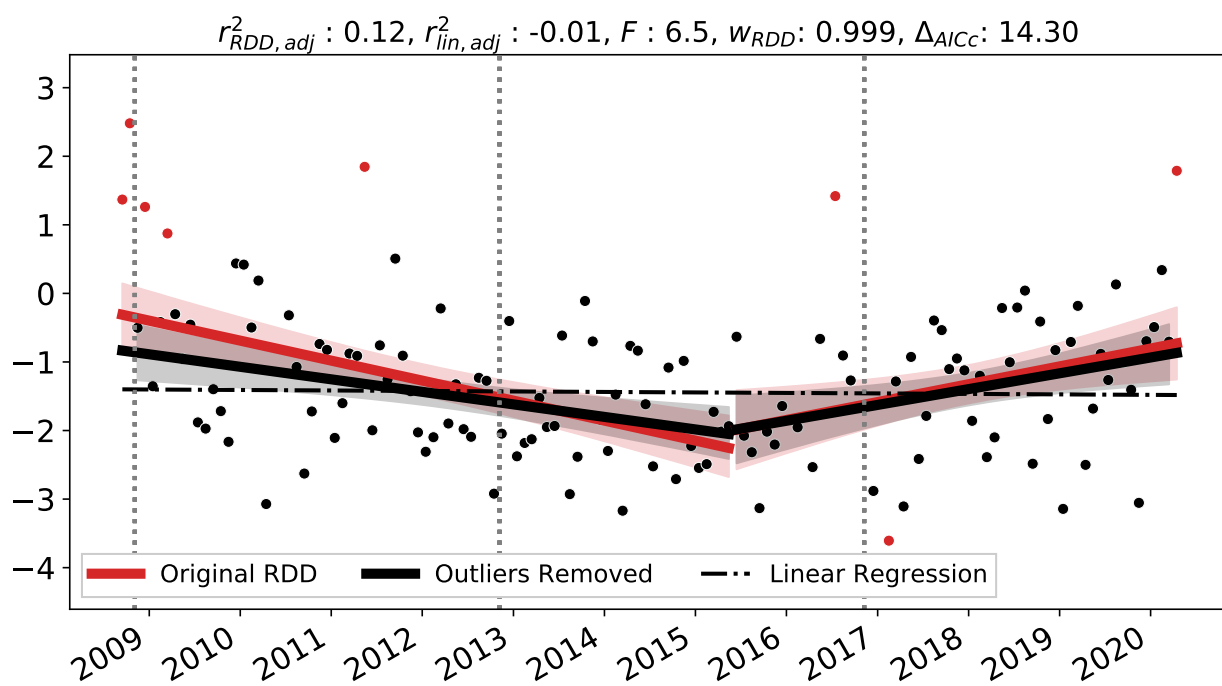


Figure 42: Sadness: Speaker Aggregation (Outliers removed)

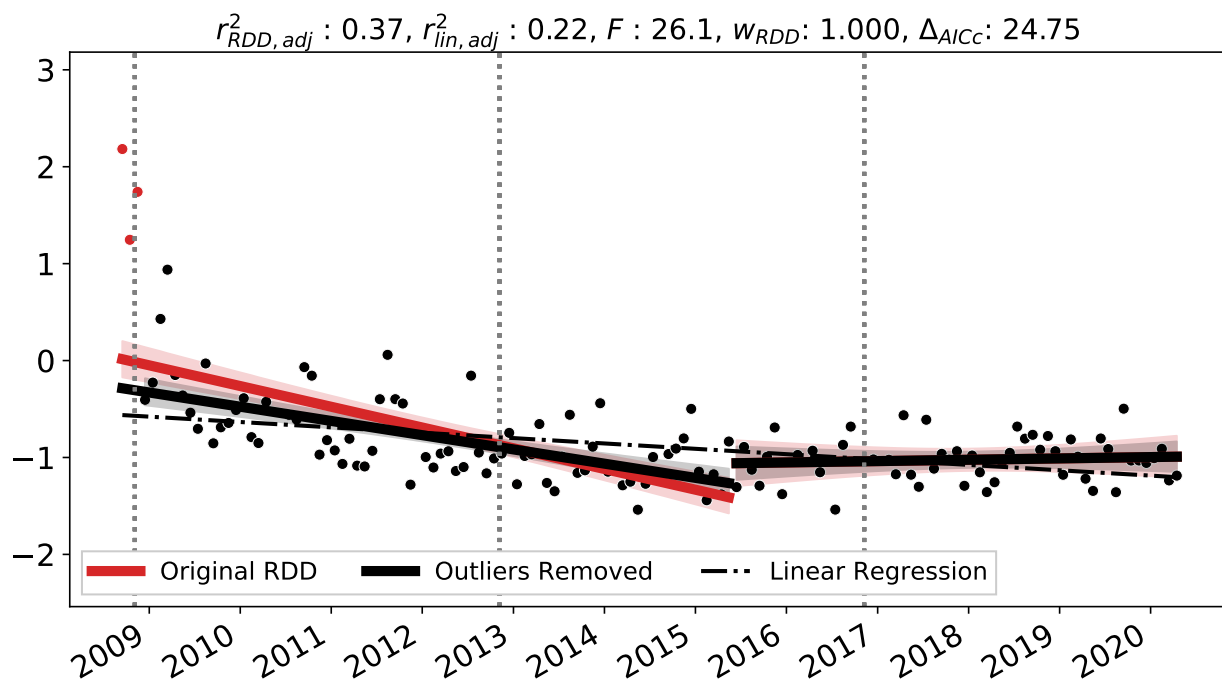


Figure 43: Swearing Terms: Speaker Aggregation (Outliers removed)

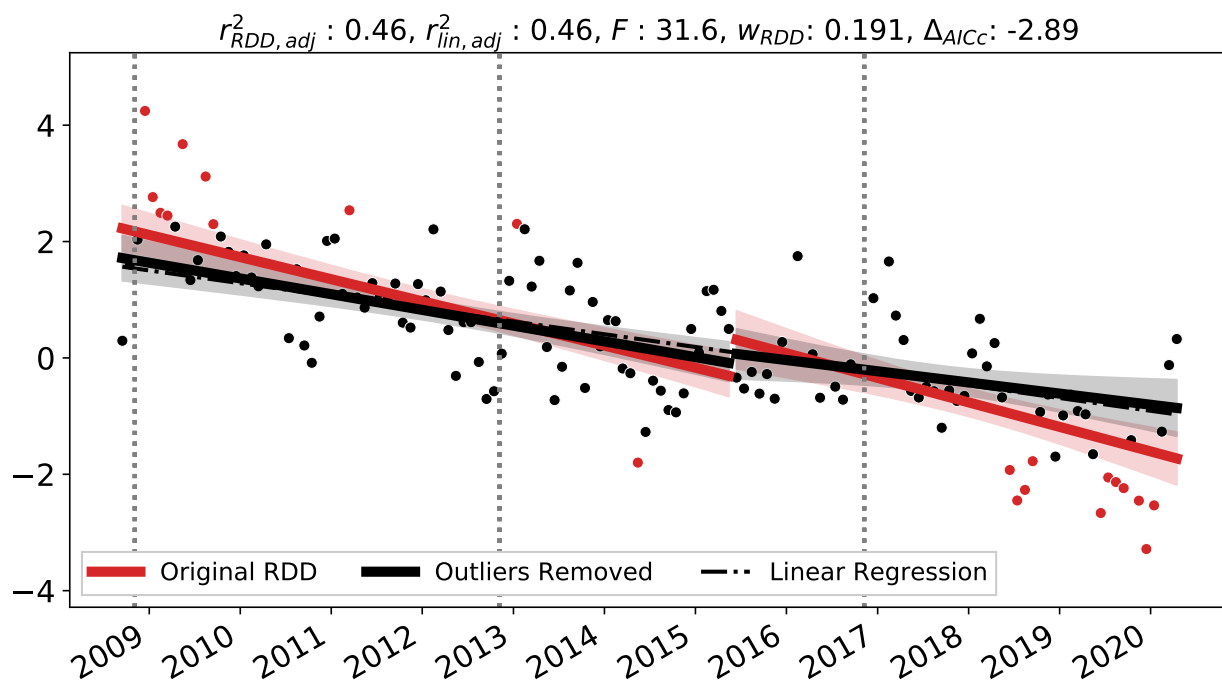


Figure 44: Tentativeness: Speaker Aggregation (Outliers removed)

1.5 Verbosity Quartiles, Speaker Aggregation

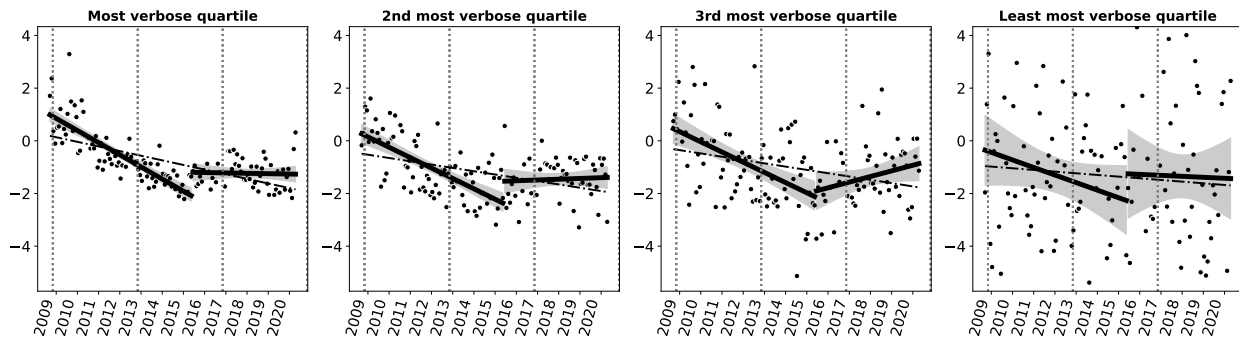


Figure 45: Neg. Emotion (empath): Speaker Aggregation with Speakers Divided in Verbosity Quartiles

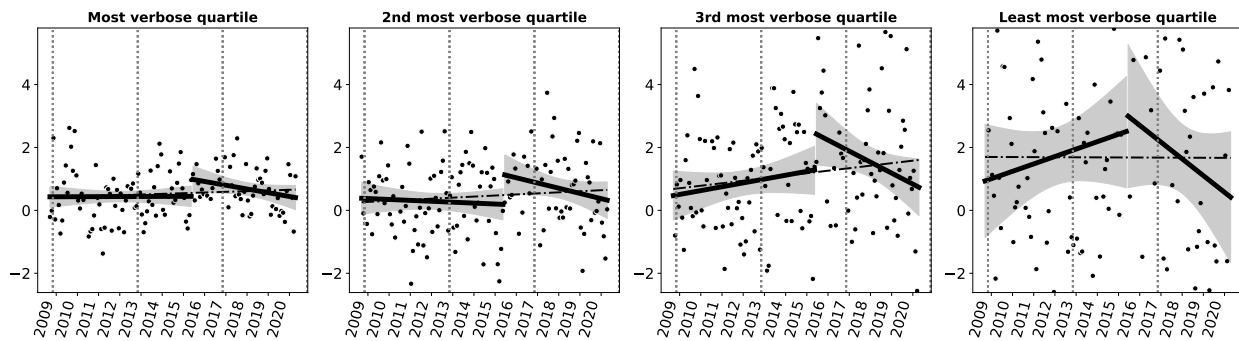


Figure 46: Pos. Emotion (empath): Speaker Aggregation with Speakers Divided in Verbosity Quartiles

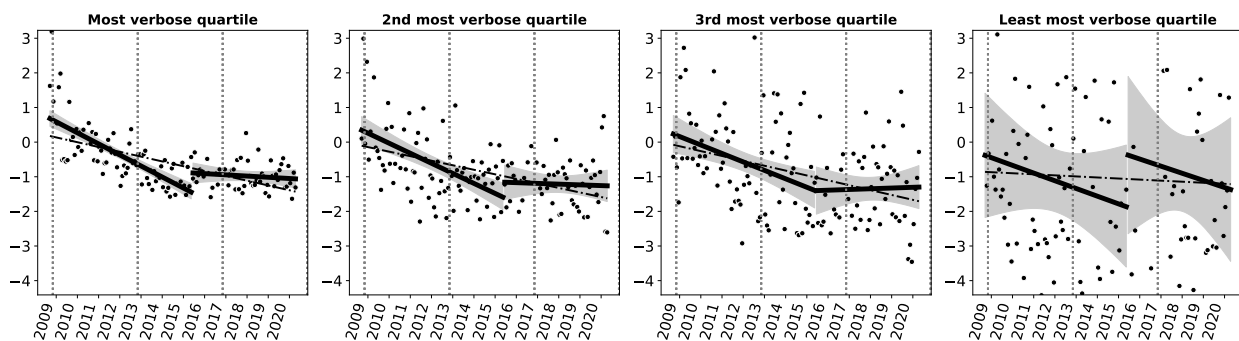


Figure 47: Swearing (empath): Speaker Aggregation with Speakers Divided in Verbosity Quartiles

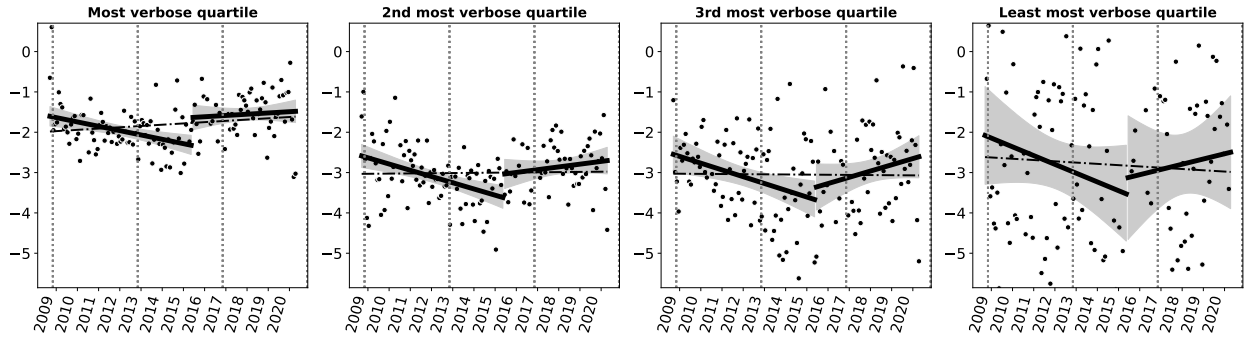


Figure 48: Anger: Speaker Aggregation with Speakers Divided in Verbosity Quartiles

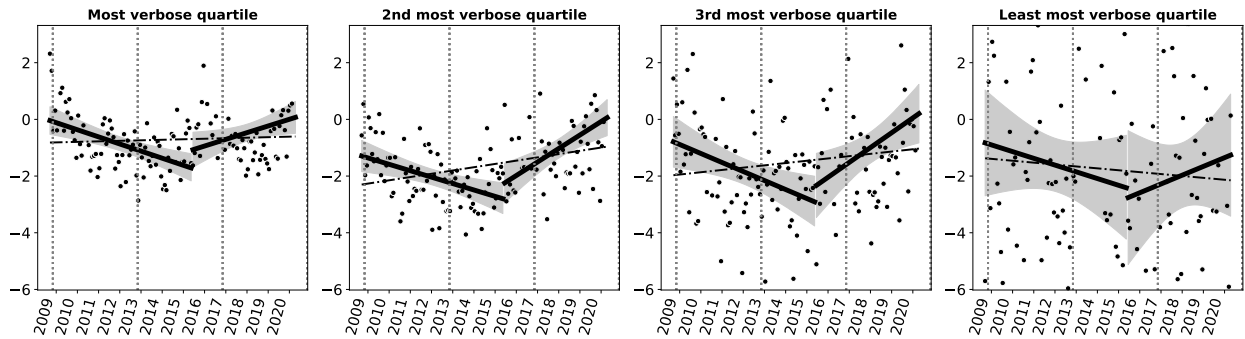


Figure 49: Anxiety: Speaker Aggregation with Speakers Divided in Verbosity Quartiles

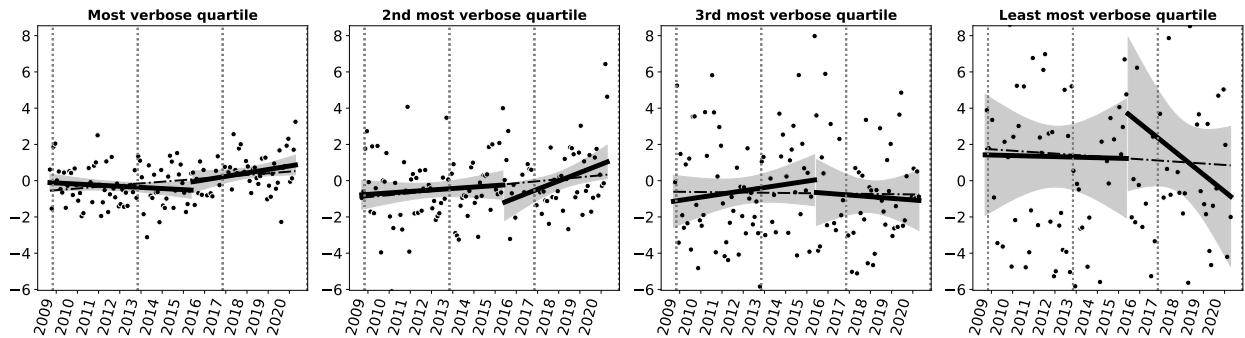


Figure 50: Certainty: Speaker Aggregation with Speakers Divided in Verbosity Quartiles

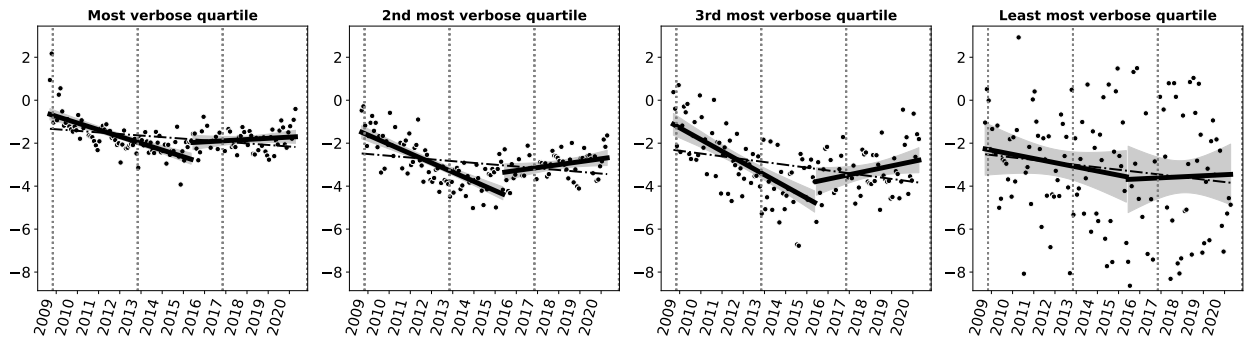


Figure 51: Negative Emotions: Speaker Aggregation with Speakers Divided in Verbosity Quartiles

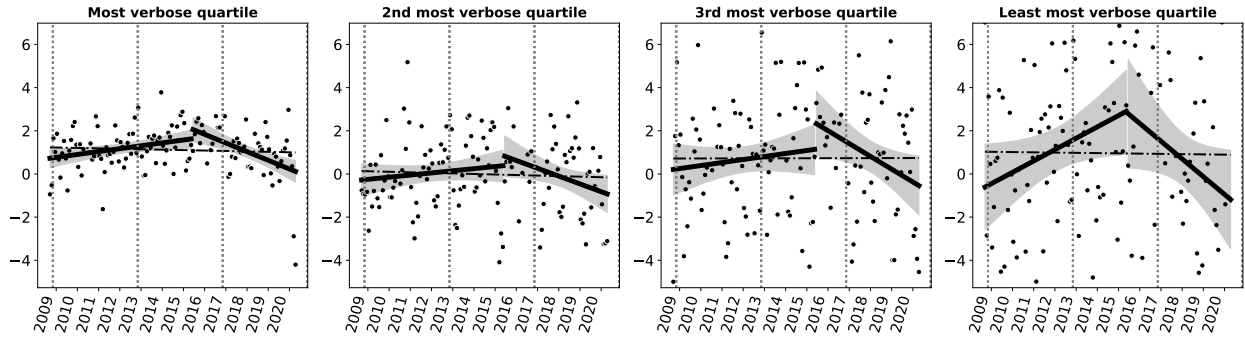


Figure 52: Positive Emotions: Speaker Aggregation with Speakers Divided in Verbosity Quartiles

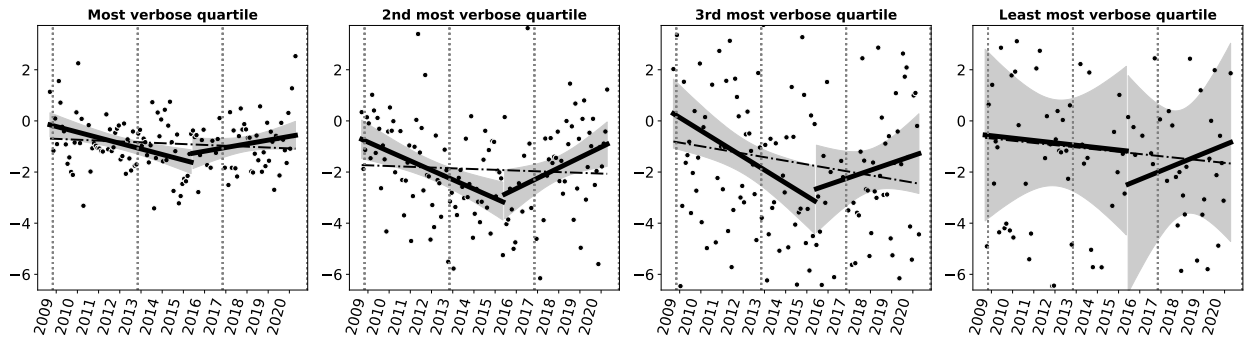


Figure 53: Sadness: Speaker Aggregation with Speakers Divided in Verbosity Quartiles

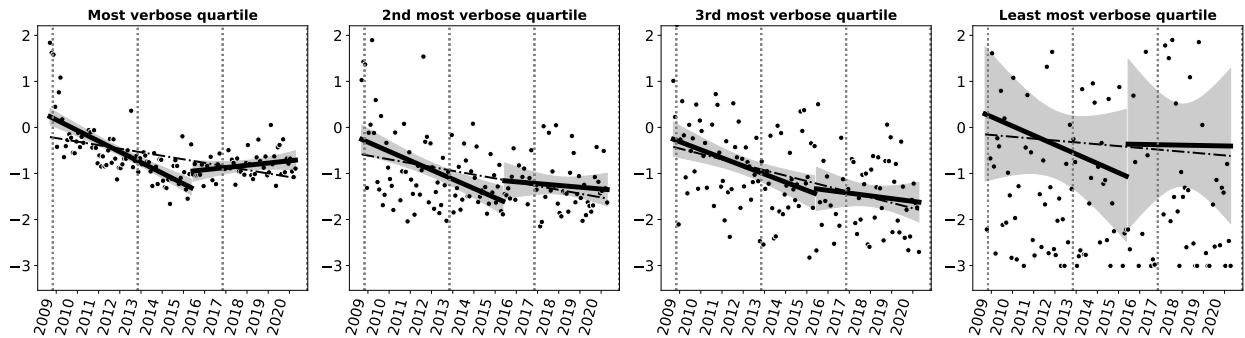


Figure 54: Swearing Terms: Speaker Aggregation with Speakers Divided in Verbosity Quartiles

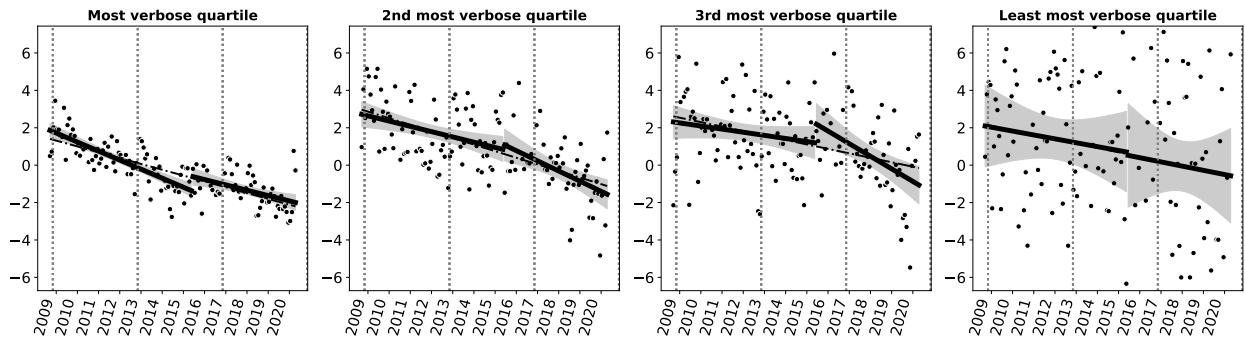


Figure 55: Tentativeness: Speaker Aggregation with Speakers Divided in Verbosity Quartiles

1.6 Quotation Aggregation, Split by Parties

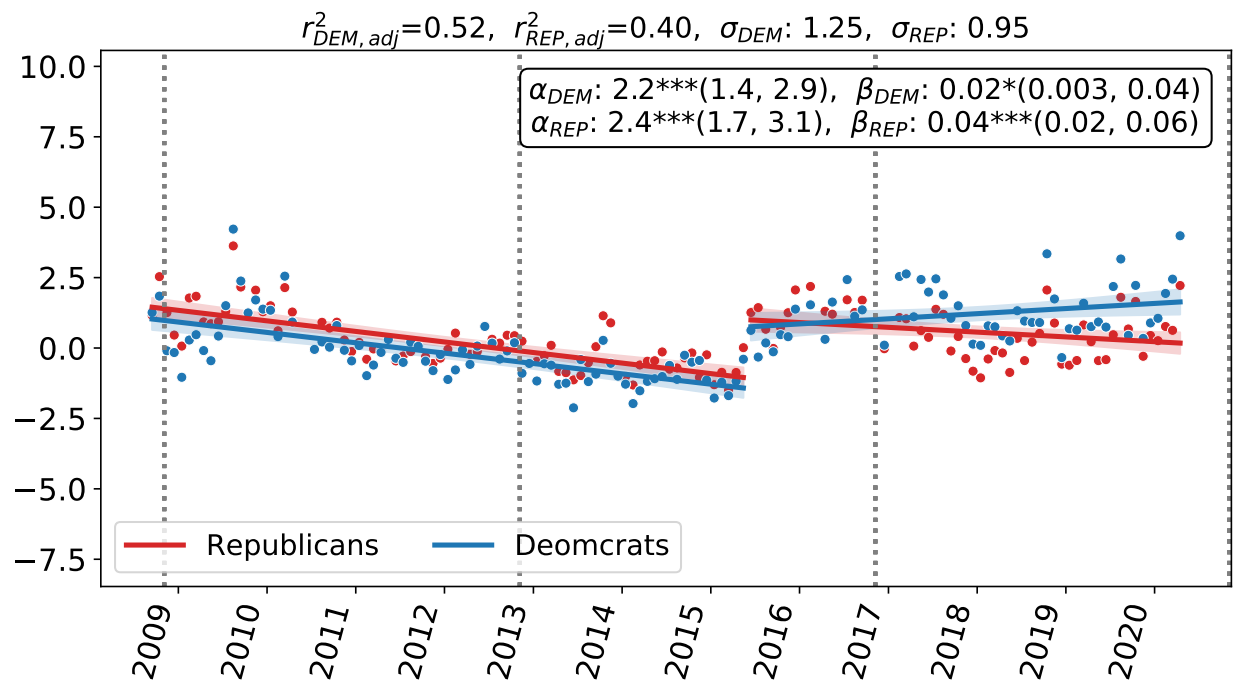


Figure 56: Neg. Emotion (empath): Quotation Aggregation, Separated for Parties

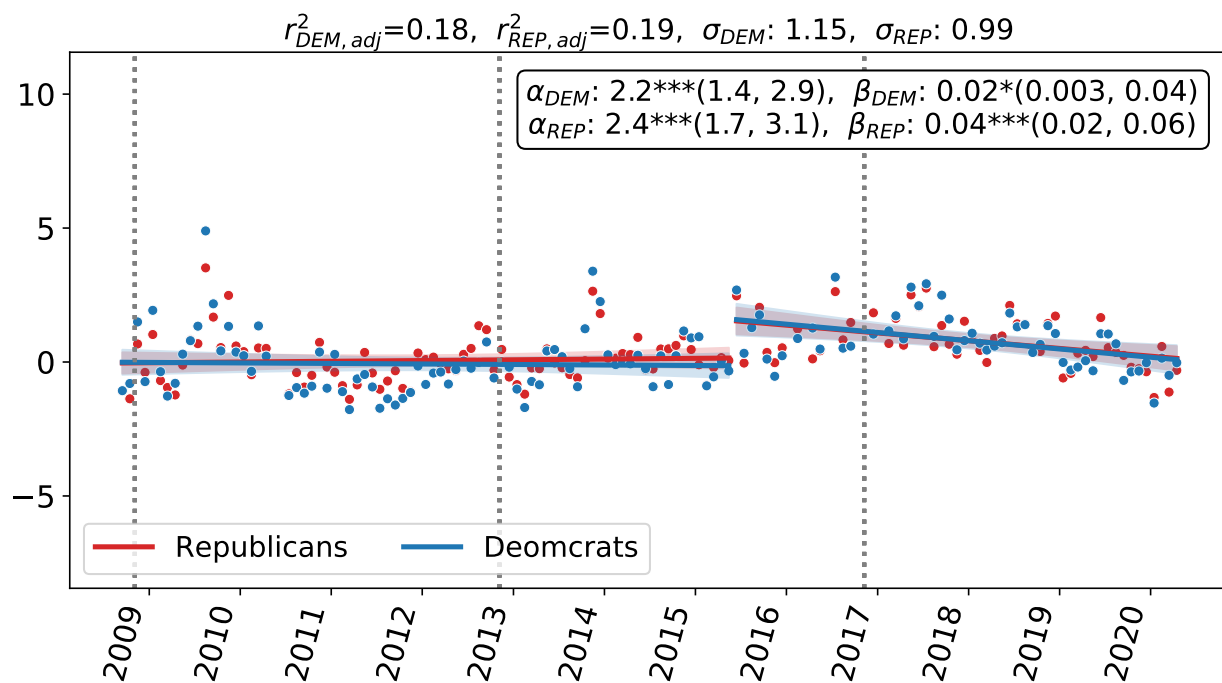


Figure 57: Pos. Emotion (empathy): Quotation Aggregation, Separated for Parties

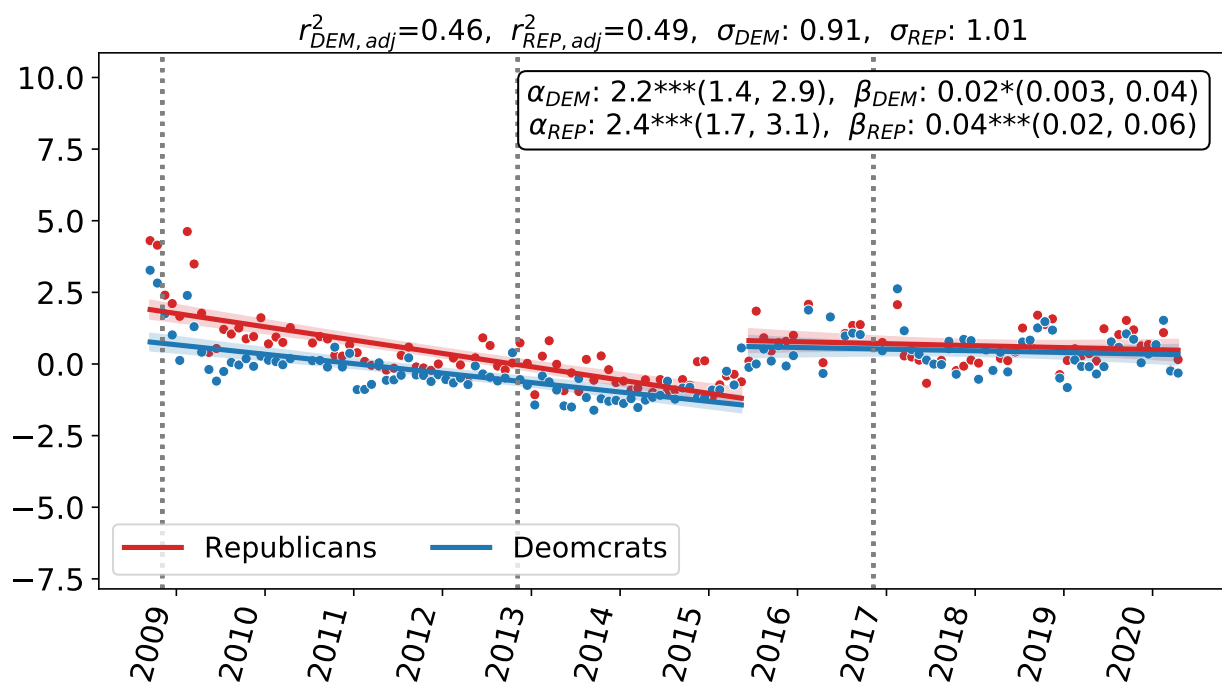


Figure 58: Swearing (empathy): Quotation Aggregation, Separated for Parties

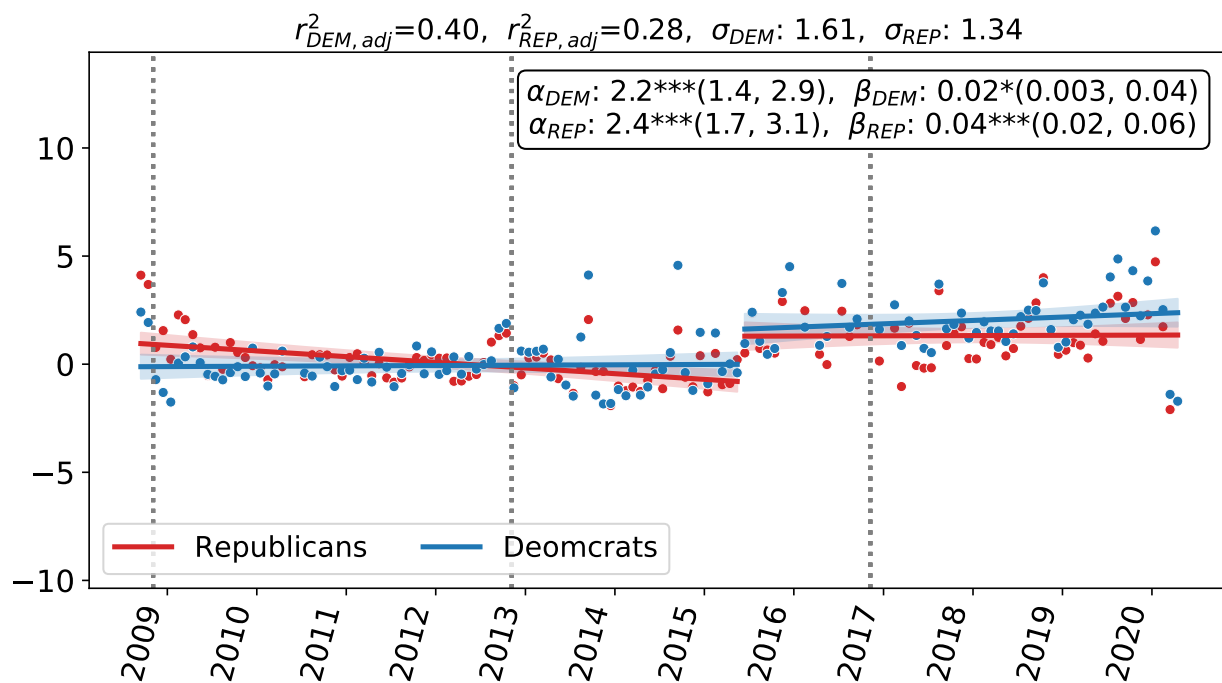


Figure 59: Anger: Quotation Aggregation, Seperated for Parties

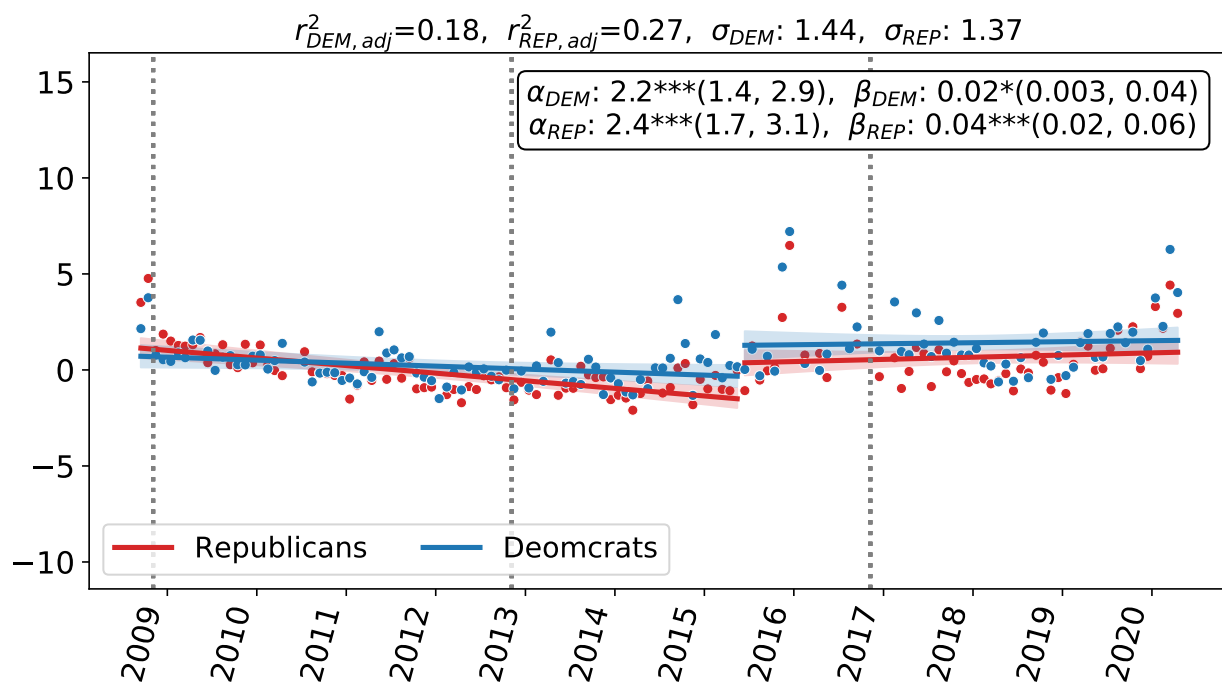


Figure 60: Anxiety: Quotation Aggregation, Seperated for Parties

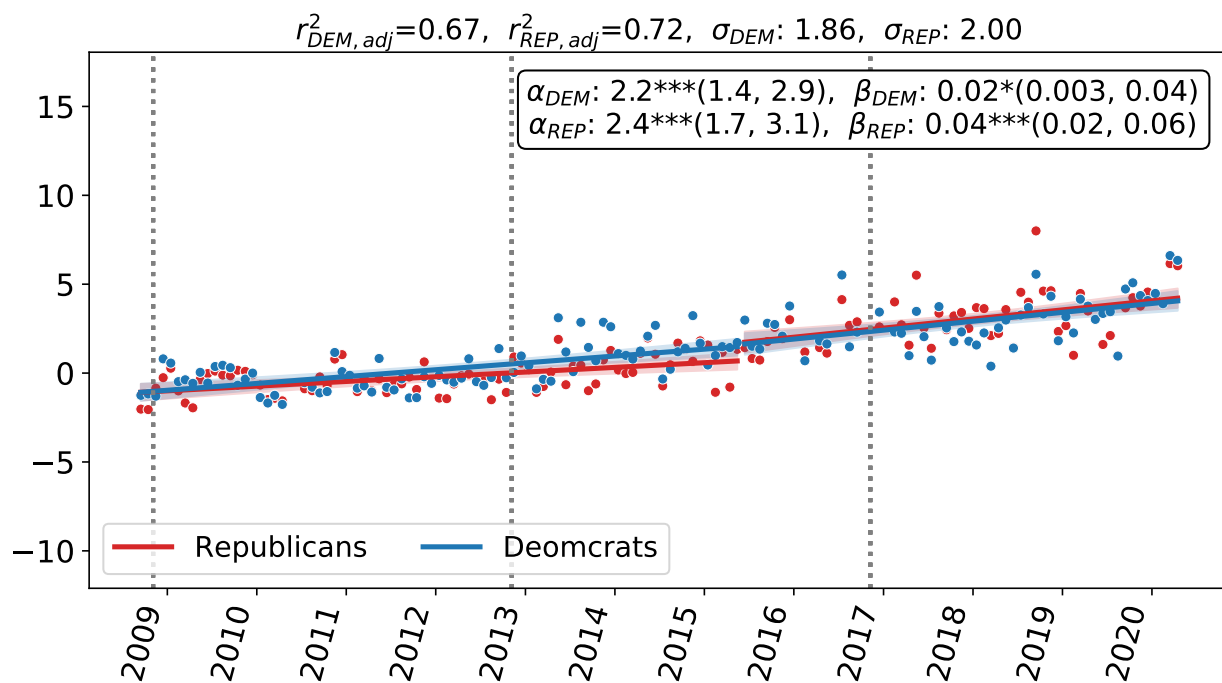


Figure 61: Certainty: Quotation Aggregation, Seperated for Parties

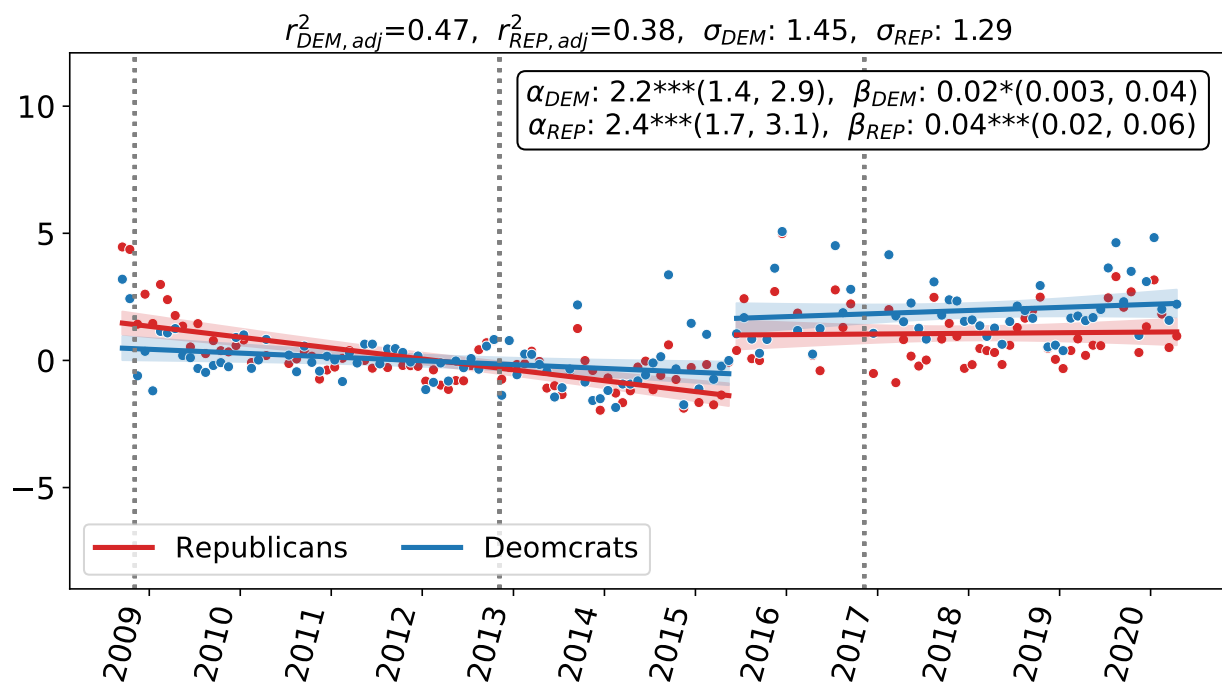


Figure 62: Negative Emotions: Quotation Aggregation, Seperated for Parties

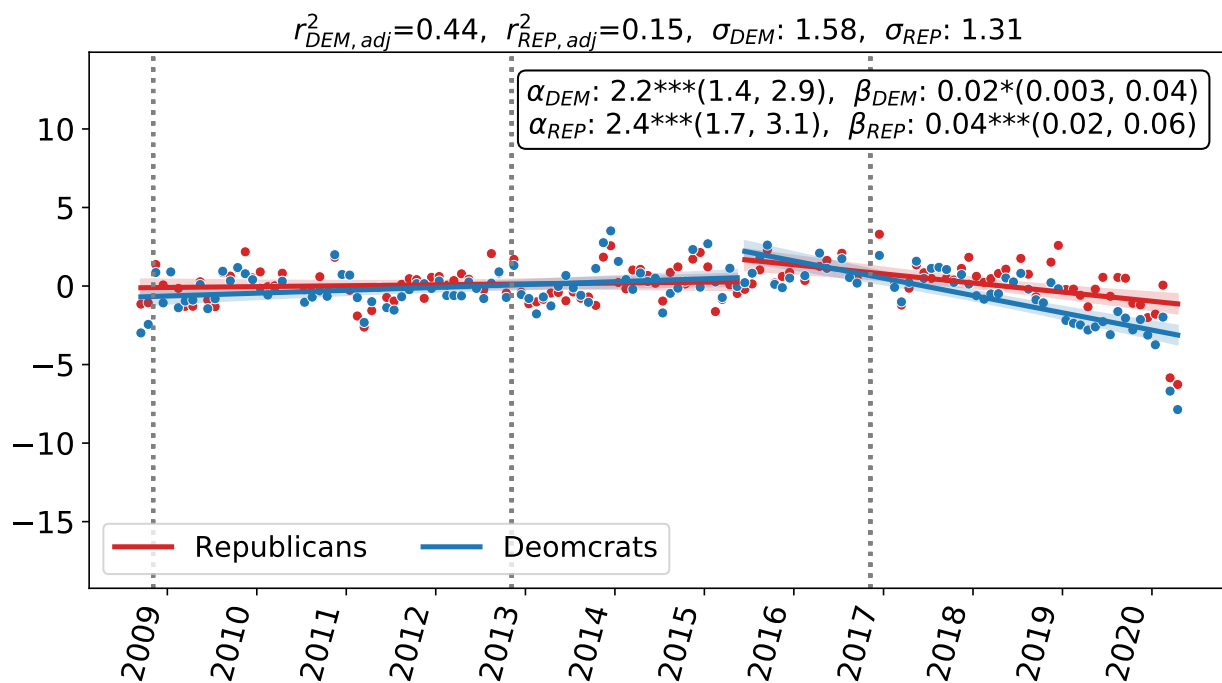


Figure 63: Positive Emotions: Quotation Aggregation, Seperated for Parties

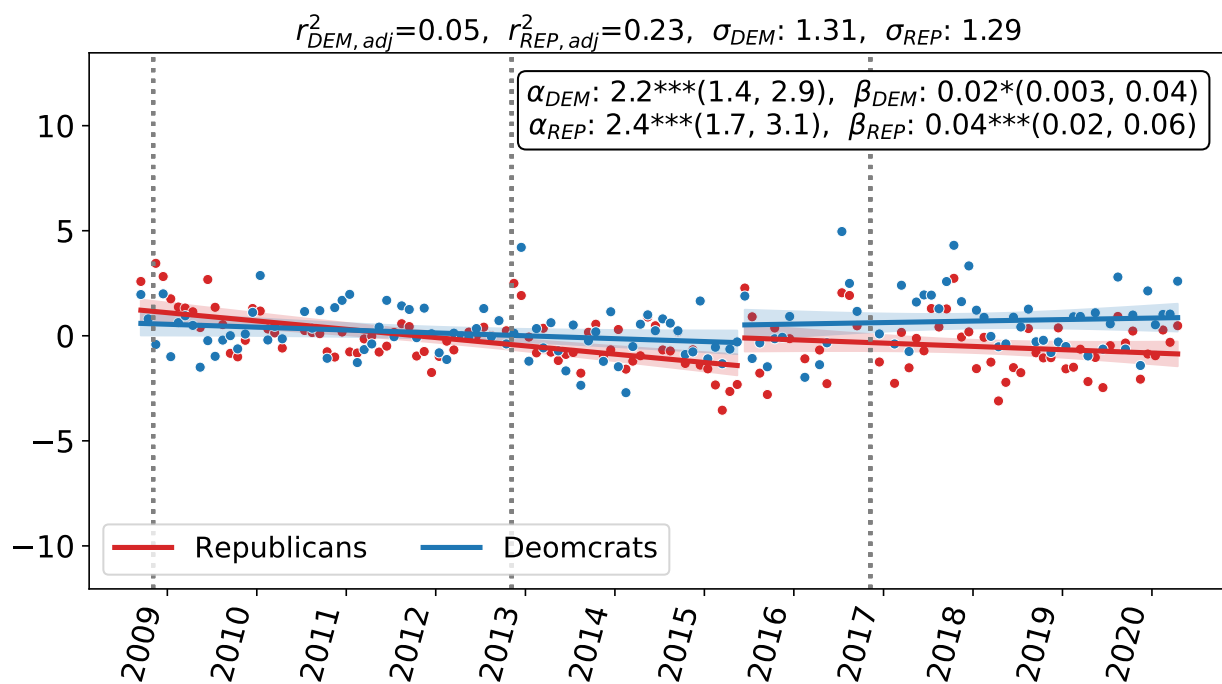


Figure 64: Sadness: Quotation Aggregation, Seperated for Parties

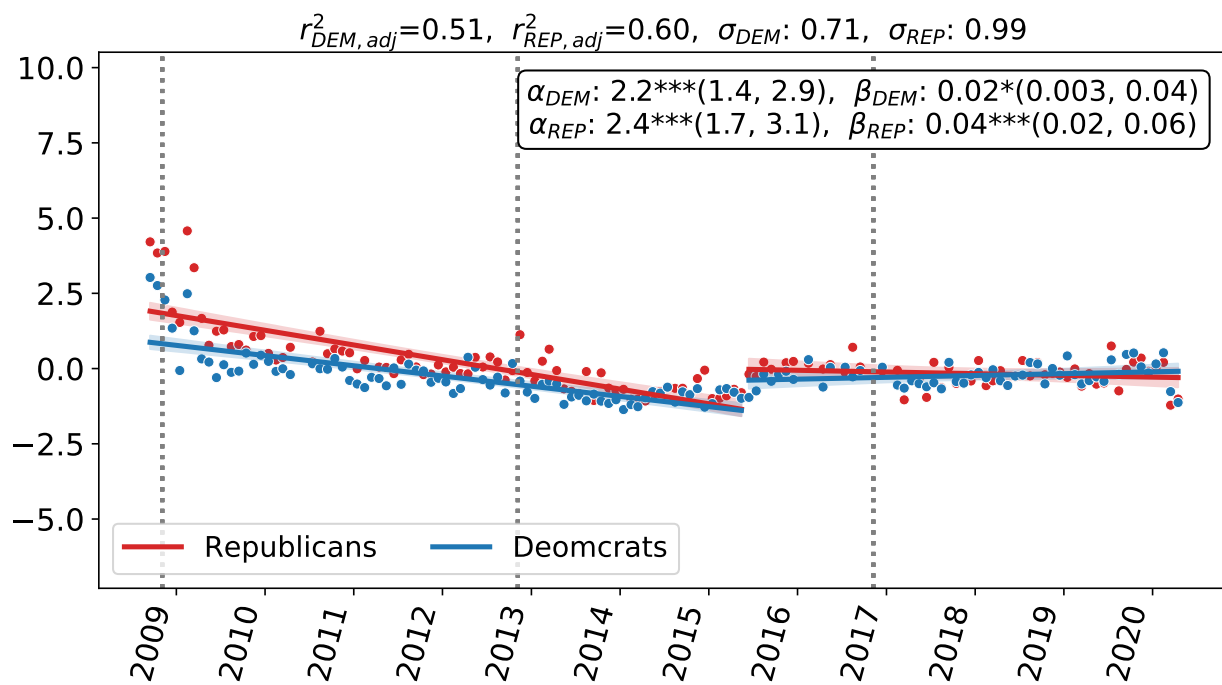


Figure 65: Swearing Terms: Quotation Aggregation, Seperated for Parties

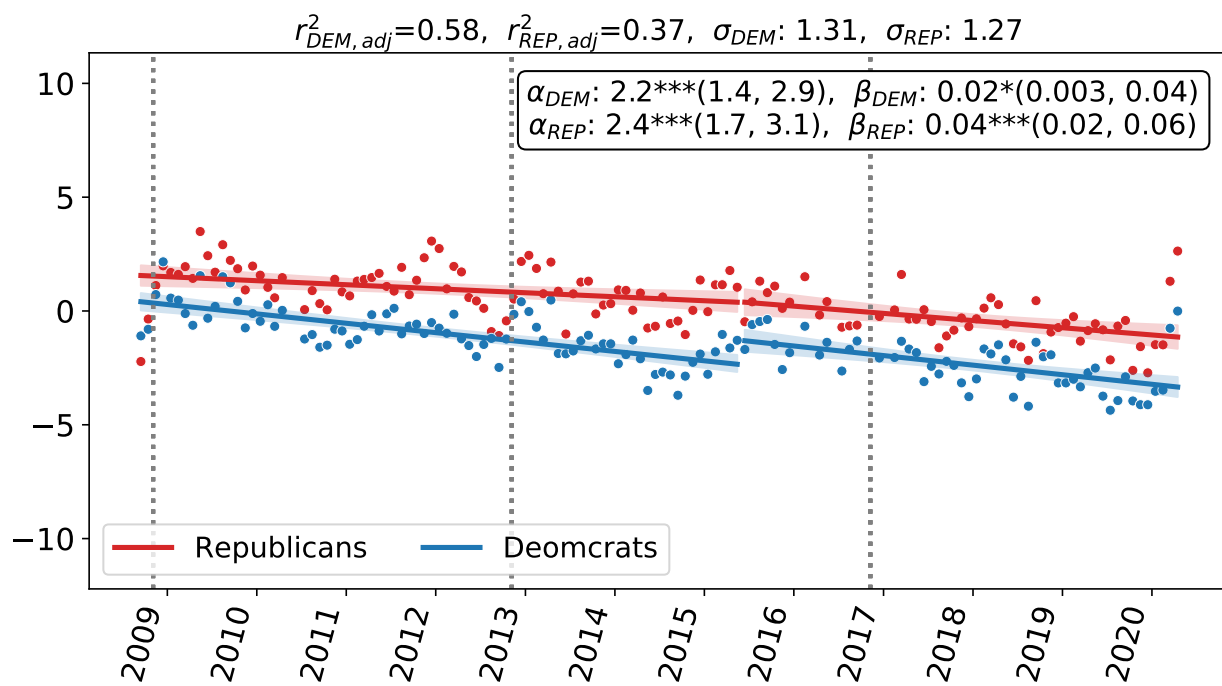


Figure 66: Tentativeness: Quotation Aggregation, Seperated for Parties

1.7 Quotation Aggregation Scores for Individual Politicians

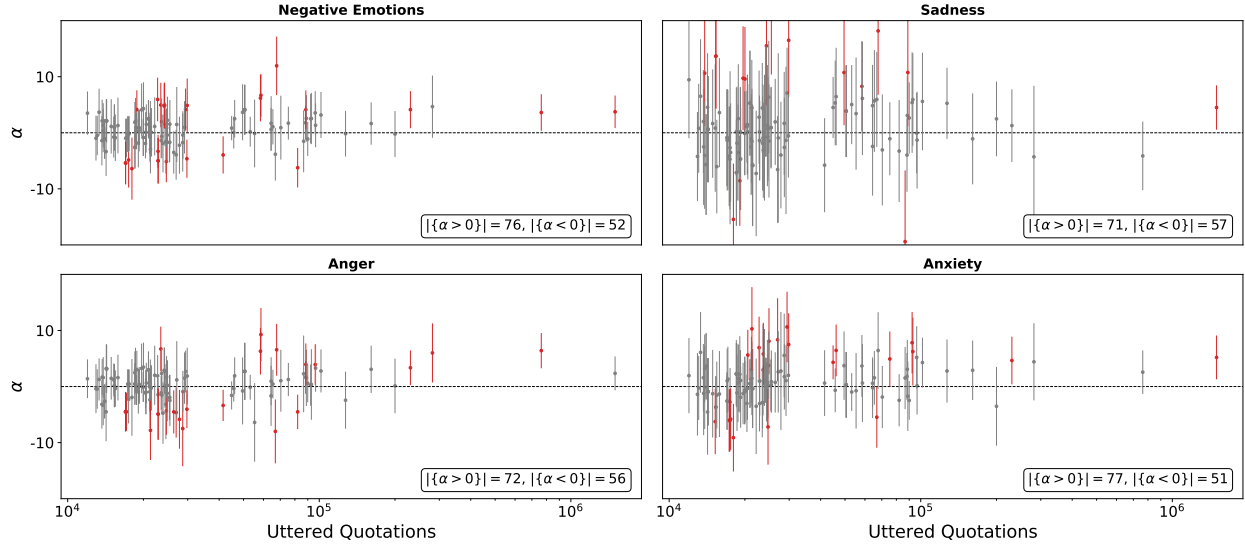


Figure 67: RDD α over verbosity: Quotation Aggregation Scores for Individual Politicians

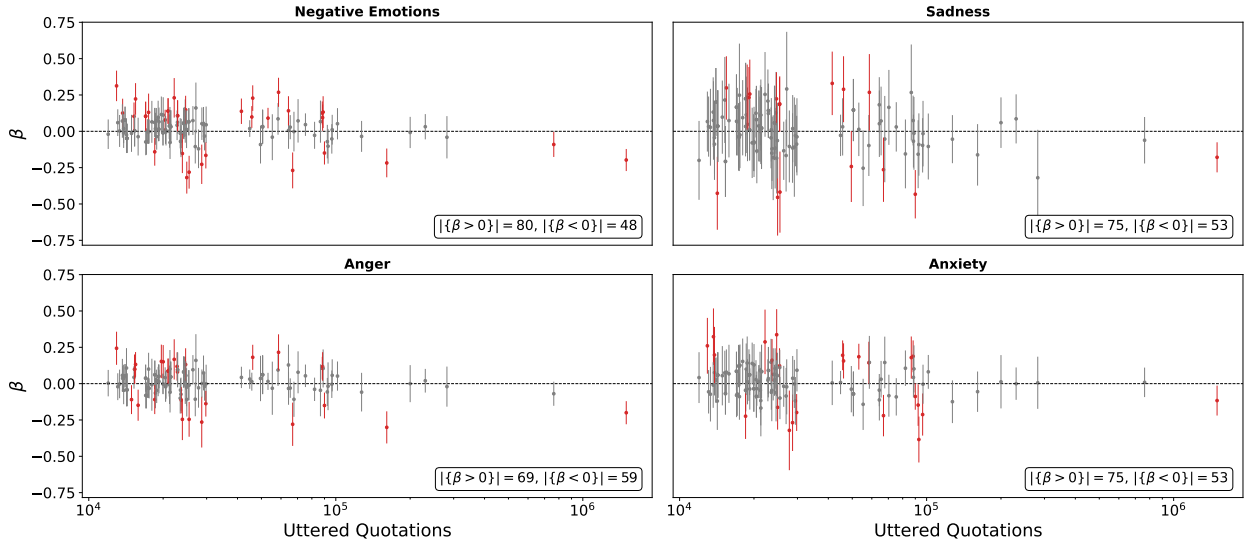


Figure 68: RDD β over verbosity: Quotation Aggregation Scores for Individual Politicians

1.8 Quotation Aggregation Scores for all but one Speaker

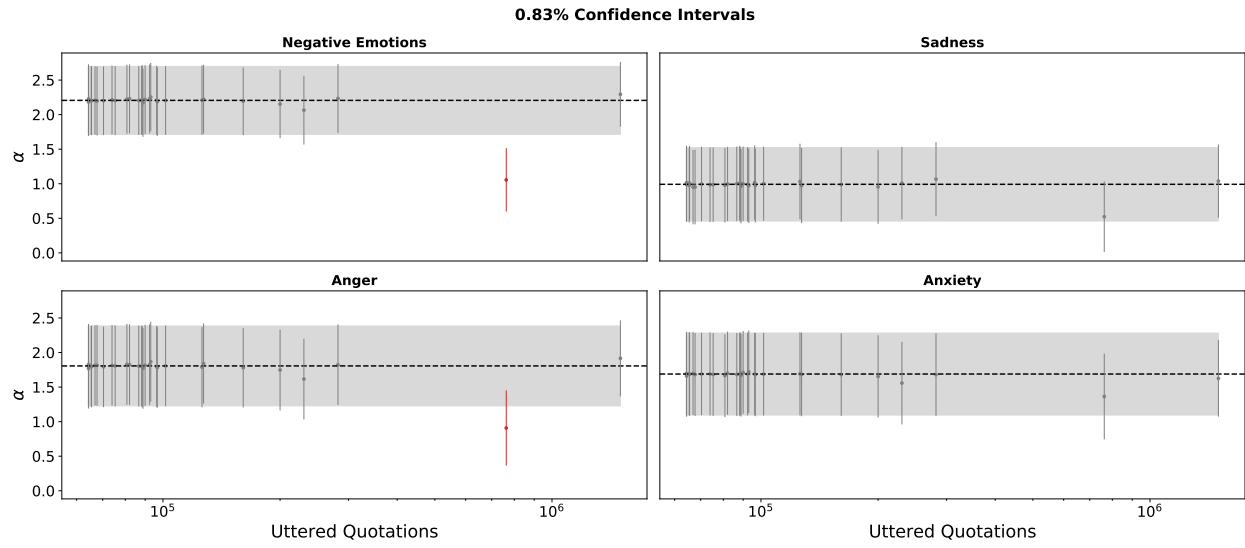


Figure 69: RDD α over verbosity: Quotation Aggregation Scores for all but one Speaker

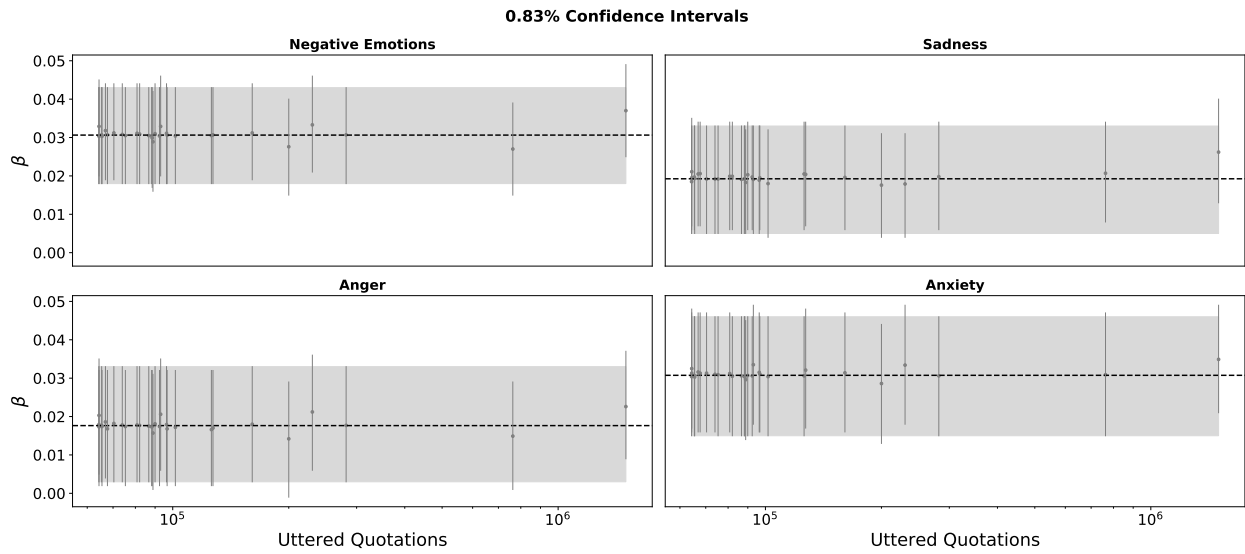


Figure 70: RDD β over verbosity: Quotation Aggregation Scores for all but one Speaker

1.9 Influence of the Placement of the Discontinuity on RDD performance

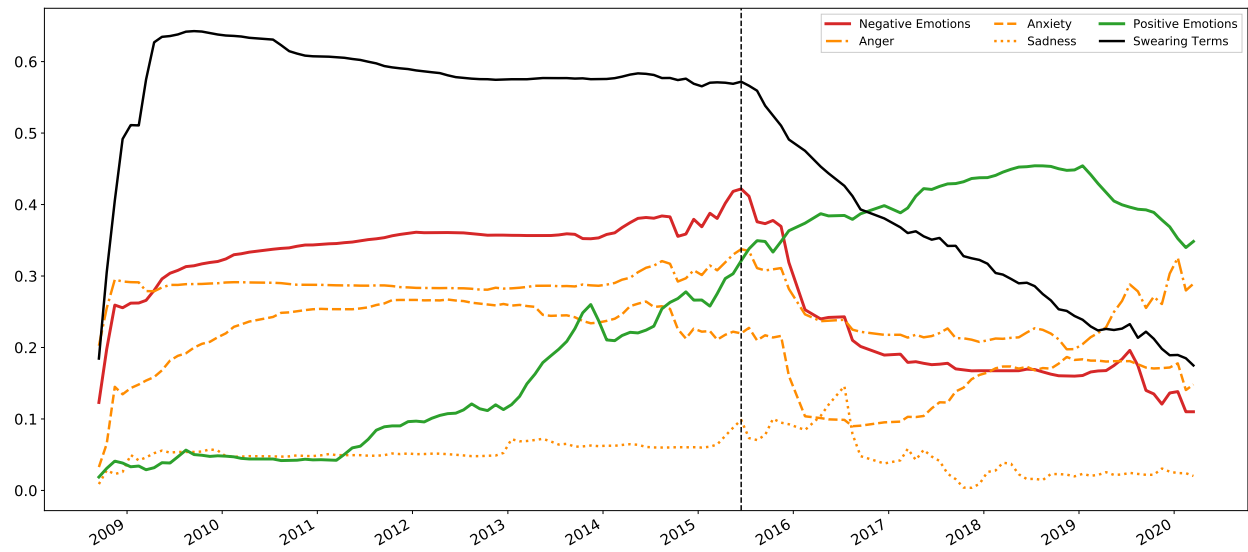


Figure 71: Adjusted r^2 score: Influence of the Placement of the Discontinuity on RDD performance

2 Tables

y_{cat}	μ	σ	Every Nth	σ/μ
Negative Emotions	0.01856	0.00089	53.9	4.8%
Anger	0.00649	0.00054	154.0	8.2%
Anxiety	0.00295	0.00021	339.2	7.2%
Sadness	0.00351	0.00015	284.7	4.2%

Table 1: Key Metrics for all Sentiment Attributes

	α_0	α	β_0	β	party	gender	congress	governing
Positive Emotions	1*** (0.6, 1.4)	1.1*** (0.6, 1.6)	0.002 (-0.004, 0.009)	-0.07*** (-0.09, -0.06)	-1.1*** (-1.3, -0.8)	-0.1 (-0.4, 0.1)	-1.6*** (-1.9, -1.4)	0.8*** (0.5, 1.1)
Negative Emotions	-1.7*** (-2.1, -1.4)	2*** (1.5, 2.4)	-0.01*** (-0.02, -0.009)	0.01* (0, 0.02)	0.5*** (0.2, 0.7)	-0.1 (-0.3, 0.1)	3.4*** (3.2, 3.6)	-0.6*** (-0.8, -0.3)
Anxiety	-1.7*** (-2.1, -1.3)	2.1*** (1.6, 2.6)	-0.02*** (-0.03, -0.01)	0.01 (-0.003, 0.02)	0.7*** (0.4, 0.9)	0.8*** (0.6, 1)	2*** (1.8, 2.2)	-0.5*** (-0.8, -0.3)
Anger	-1.5*** (-1.9, -1.1)	1.6*** (1.1, 2.1)	-0.002 (-0.009, 0.005)	0.004 (-0.009, 0.02)	0.3** (0.08, 0.6)	0.2 (-0.06, 0.4)	4*** (3.8, 4.2)	-0.5*** (-0.8, -0.2)
Sadness	-1.1*** (-1.6, -0.6)	0.7* (0.09, 1.4)	-0.01* (-0.02, -0.002)	0.004 (-0.01, 0.02)	0.8*** (0.5, 1.2)	0.1 (-0.2, 0.4)	1.8*** (1.5, 2.1)	-0.7*** (-1, -0.4)
Swearing Terms	-0.9*** (-1.1, -0.7)	0.8*** (0.5, 1)	-0.03*** (-0.04, -0.03)	0.04*** (0.04, 0.05)	-0.3*** (-0.4, -0.1)	-0.8*** (-0.9, -0.6)	-0.1 (-0.2, 0.03)	-0.3*** (-0.4, -0.2)
Tentativeness	1.1*** (0.8, 1.5)	1.2*** (0.8, 1.7)	-0.03*** (-0.04, -0.03)	-0.01* (-0.03, -0.003)	-1.2*** (-1.4, -0.9)	-4*** (-4.2, -3.8)	-3.2*** (-3.4, -3)	-0.05 (-0.3, 0.2)
Certainty	1*** (0.5, 1.4)	0.9** (0.3, 1.5)	0.03*** (0.02, 0.03)	0.02* (0.001, 0.03)	-0.3* (-0.7, -0.03)	1.1*** (0.8, 1.4)	-0.5*** (-0.8, -0.2)	0.5** (0.2, 0.8)
Swearing (empath)	-0.6*** (-0.8, -0.3)	1.4*** (1.1, 1.7)	-0.03*** (-0.04, -0.03)	0.03*** (0.02, 0.04)	-0.3*** (-0.5, -0.2)	-1.4*** (-1.5, -1.2)	-0.5*** (-0.7, -0.4)	-0.2* (-0.3, -0.01)
science	0.7*** (0.4, 1)	-1.7*** (-2.1, -1.3)	0.03*** (0.02, 0.04)	-0.05*** (-0.07, -0.04)	1.1*** (0.8, 1.3)	0.2 (-0.03, 0.4)	-1.1*** (-1.3, -0.9)	0.7*** (0.4, 0.9)
Neg. Emotion (empath)	-1*** (-1.3, -0.7)	1.8*** (1.4, 2.2)	-0.02*** (-0.03, -0.02)	0.02*** (0.007, 0.03)	0.6*** (0.4, 0.8)	-0.4*** (-0.6, -0.2)	0.5*** (0.3, 0.7)	-0.8*** (-1, -0.6)
Pos. Emotion (empath)	0.7*** (0.4, 1)	1.3*** (0.9, 1.7)	0.004 (-0.002, 0.009)	-0.04*** (-0.05, -0.03)	-0.2 (-0.4, 0.04)	0.5** (0.3, 0.7)	-1.1*** (-1.3, -0.9)	-0.03 (-0.2, 0.2)

Table 2: RDD parameters for aggregation on distinct speaker groups.

	α_0	α	β_0	β	party	gender	congress	governing
Positive Emotions	0.2 (-0.05, 0.5)	0.03 (-0.3, 0.4)	0.003 (-0.001, 0.007)	-0.01* (-0.02, -0)	-0.2* (-0.4, -0.05)	-0.2* (-0.4, -0.04)	-0.7*** (-0.9, -0.5)	0.2* (0.03, 0.4)
Negative Emotions	0.2 (-0.1, 0.6)	0.1 (-0.2, 0.5)	-0.002 (-0.007, 0.003)	0.01* (0.001, 0.02)	0.2* (0.002, 0.3)	-0.3** (-0.4, -0.1)	1.3*** (1.1, 1.4)	-0.2* (-0.4, -0.03)
Anxiety	-0.4** (-0.6, -0.1)	0.7*** (0.4, 1.1)	-0.007*** (-0.01, -0.003)	0.006 (-0.002, 0.01)	0.3*** (0.2, 0.5)	0.4*** (0.2, 0.5)	0.8*** (0.7, 1)	-0.3*** (-0.4, -0.1)
Anger	0.4* (0.1, 0.8)	0.3 (-0.1, 0.7)	0.001 (-0.004, 0.006)	0.004 (-0.005, 0.01)	-0.2 (-0.3, 0.03)	-0.1 (-0.3, 0.04)	1.2*** (1, 1.4)	0 (-0.2, 0.2)
Sadness	-0.3* (-0.6, -0.06)	0.3 (-0.04, 0.7)	-0.005* (-0.009, 0)	0.001 (-0.008, 0.01)	0.2* (0.05, 0.4)	-0.06 (-0.2, 0.1)	0.7*** (0.5, 0.8)	-0.3*** (-0.5, -0.2)
Swearing Terms	-0.6*** (-0.7, -0.5)	0.4*** (0.3, 0.6)	-0.02*** (-0.02, -0.02)	0.02*** (0.02, 0.03)	-0.1* (-0.2, -0.01)	-0.8*** (-0.9, -0.7)	-0.08 (-0.2, 0.004)	-0.2*** (-0.3, -0.1)
Tentativeness	-1.1*** (-1.4, -0.8)	0.5** (0.1, 0.9)	-0.01*** (-0.02, -0.006)	-0.004 (-0.01, 0.005)	-0.5*** (-0.7, -0.3)	-1.3*** (-1.6, -1.1)	-1*** (-1.2, -0.8)	0 (-0.2, 0.2)
Certainty	1.1*** (0.9, 1.4)	0.3 (-0.009, 0.7)	0.009*** (0.004, 0.01)	0.003 (-0.007, 0.01)	0.03 (-0.2, 0.2)	0.3*** (0.2, 0.5)	0.1 (-0.07, 0.3)	0.1 (-0.05, 0.3)
Swearing (empath)	-0.5*** (-0.6, -0.3)	0.8*** (0.5, 1)	-0.02*** (-0.02, -0.02)	0.02*** (0.01, 0.02)	-0.2*** (-0.3, -0.1)	-1*** (-1.1, -0.9)	-0.3*** (-0.4, -0.2)	-0.1 (-0.2, 0.006)
science	-0.08 (-0.3, 0.1)	-0.6*** (-0.9, -0.3)	0.01*** (0.006, 0.01)	-0.03*** (-0.04, -0.02)	0.5*** (0.3, 0.6)	0.1* (0.01, 0.3)	-0.5*** (-0.7, -0.4)	0.2*** (0.1, 0.4)
Neg. Emotion (empath)	-0.5*** (-0.7, -0.3)	1.1*** (0.9, 1.4)	-0.01*** (-0.02, -0.01)	0.008* (0.001, 0.01)	0.1* (0.007, 0.3)	-0.3*** (-0.4, -0.2)	0.2** (0.04, 0.3)	-0.4*** (-0.6, -0.3)
Pos. Emotion (empath)	0.5*** (0.3, 0.7)	0.7*** (0.4, 0.9)	0.004* (0.001, 0.008)	-0.02*** (-0.02, -0.01)	-0.2* (-0.3, -0.04)	0.2*** (0.1, 0.4)	-0.6*** (-0.7, -0.5)	-0.06 (-0.2, 0.08)

Table 3: RDD parameters for aggregation on distinct speaker groups, excluding outliers.

	α_0	α	β_0	β
Positive Emotions	0.4(-0.1, 0.9)	1.6*** (0.8, 2.4)	0.01(-0.001, 0.02)	-0.08***(-0.1, -0.06)
Negative Emotions	-0.9***(-1.4, -0.5)	2.2*** (1.5, 2.9)	-0.02***(-0.03, -0.01)	0.03*** (0.01, 0.05)
Anxiety	-0.9***(-1.4, -0.4)	1.7*** (0.8, 2.5)	-0.02***(-0.03, -0.01)	0.03*** (0.009, 0.05)
Anger	-0.4(-0.9, 0.1)	1.8*** (1, 2.6)	-0.009(-0.02, 0.001)	0.02(-0.004, 0.04)
Sadness	-0.9***(-1.3, -0.4)	1*(0.2, 1.8)	-0.02***(-0.03, -0.01)	0.02(-0.001, 0.04)
Swearing Terms	-1.4***(-1.6, -1.1)	1.2*** (0.8, 1.5)	-0.03***(-0.04, -0.03)	0.03*** (0.02, 0.04)
Tentativeness	-0.9***(-1.3, -0.6)	0.6(-0.02, 1.2)	-0.02***(-0.03, -0.01)	-0.01(-0.03, 0.005)
Certainty	1.1*** (0.6, 1.5)	0.6(-0.08, 1.3)	0.03*** (0.02, 0.04)	0.02(-0.002, 0.03)
Swearing (empath)	-1.3***(-1.6, -1)	2*** (1.5, 2.5)	-0.03***(-0.04, -0.03)	0.03*** (0.01, 0.04)
science	1.1*** (0.8, 1.5)	-2.1***(-2.7, -1.5)	0.03*** (0.02, 0.04)	-0.04***(-0.06, -0.03)
Neg. Emotion (empath)	-1.2***(-1.6, -0.9)	2.1*** (1.5, 2.6)	-0.03***(-0.04, -0.02)	0.03*** (0.02, 0.05)
Pos. Emotion (empath)	0.004(-0.4, 0.4)	1.5*** (0.9, 2.2)	0(-0.009, 0.009)	-0.03***(-0.04, -0.008)

Table 4: RDD parameters for quotation aggregation.

	α_0	α	β_0	β
Positive Emotions	0.3(-0.02, 0.6)	0.9*** (0.5, 1.4)	0.006(0, 0.01)	-0.04***(-0.06, -0.03)
Negative Emotions	-1.1***(-1.3, -0.8)	1.4*** (0.9, 1.8)	-0.01***(-0.02, -0.008)	0.02*** (0.009, 0.03)
Anxiety	-0.9***(-1.2, -0.7)	0.8*** (0.3, 1.2)	-0.01***(-0.02, -0.009)	0.02*** (0.01, 0.04)
Anger	-0.7***(-1.1, -0.4)	1.2*** (0.7, 1.8)	-0.007(-0.01, 0)	0.006(-0.008, 0.02)
Sadness	-0.7***(-1.1, -0.3)	0.6(-0.05, 1.2)	-0.02***(-0.02, -0.007)	0.02*(0.003, 0.03)
Swearing Terms	-1.2***(-1.4, -1)	1.1*** (0.8, 1.3)	-0.03***(-0.03, -0.02)	0.03*** (0.02, 0.03)
Tentativeness	-0.2(-0.5, 0.06)	0.3(-0.1, 0.8)	-0.02***(-0.02, -0.009)	-0.006(-0.02, 0.007)
Certainty	-0.07(-0.3, 0.1)	0.4*(0.08, 0.8)	0.01*** (0.01, 0.02)	0.003(-0.006, 0.01)
Swearing (empath)	-1.4***(-1.7, -1.2)	1.9*** (1.5, 2.3)	-0.03***(-0.03, -0.02)	0.02*** (0.01, 0.03)
science	1.3*** (1.1, 1.6)	-1.6***(-2.1, -1.2)	0.02*** (0.01, 0.03)	-0.03***(-0.04, -0.02)
Neg. Emotion (empath)	-1.5***(-1.8, -1.2)	2.1*** (1.6, 2.5)	-0.03***(-0.03, -0.02)	0.02*** (0.008, 0.03)
Pos. Emotion (empath)	-0.3*(-0.7, 0.001)	1.2*** (0.6, 1.8)	0.002(-0.006, 0.009)	-0.02**(-0.03, -0.005)

Table 5: RDD parameters for quotation aggregation, excluding outliers.

	α_0	α	β_0	β
Positive Emotions	1.2*** (0.6, 1.7)	0.5(-0.4, 1.4)	0.01(0, 0.02)	-0.05***(-0.07, -0.02)
Negative Emotions	-3.5***(-3.7, -3.3)	0.8*** (0.4, 1.2)	-0.03***(-0.04, -0.03)	0.04*** (0.03, 0.05)
Anxiety	-2.2***(-2.7, -1.8)	0.6(-0.1, 1.3)	-0.02***(-0.03, -0.01)	0.05*** (0.03, 0.07)
Anger	-2.9***(-3.1, -2.7)	0.6*** (0.2, 0.9)	-0.01***(-0.01, -0.006)	0.02*** (0.007, 0.03)
Sadness	-2.3***(-2.7, -1.8)	0.3(-0.5, 1)	-0.02***(-0.03, -0.01)	0.05*** (0.03, 0.07)
Swearing Terms	-1.4***(-1.6, -1.2)	0.4*(0.05, 0.7)	-0.02***(-0.02, -0.01)	0.02*** (0.01, 0.03)
Tentativeness	-0.3(-0.7, 0.09)	0.6(-0.01, 1.3)	-0.03***(-0.04, -0.02)	-0.004(-0.02, 0.01)
Certainty	-0.4(-0.8, 0.09)	-0.09(-0.8, 0.7)	0(-0.01, 0.01)	0.02(0, 0.04)
Swearing (empath)	-1.5***(-1.7, -1.3)	0.5** (0.1, 0.8)	-0.02***(-0.03, -0.02)	0.02*** (0.01, 0.03)
science	2.3*** (2, 2.6)	-0.5(-1, 0.02)	0.02*** (0.01, 0.03)	-0.03***(-0.05, -0.02)
Neg. Emotion (empath)	-2.2***(-2.4, -1.9)	0.8*** (0.4, 1.1)	-0.03***(-0.04, -0.03)	0.04*** (0.03, 0.05)
Pos. Emotion (empath)	0.5** (0.2, 0.8)	0.7** (0.2, 1.3)	0.001(-0.007, 0.008)	-0.01*(-0.03, 0)

Table 6: RDD parameters for speaker aggregation.

	α_0	α	β_0	β
Positive Emotions	1.2*** (0.7, 1.6)	0.5(-0.2, 1.2)	0.01** (0.003, 0.02)	-0.04*** (-0.06, -0.02)
Negative Emotions	-3.4*** (-3.6, -3.2)	0.7*** (0.3, 1)	-0.03*** (-0.03, -0.02)	0.03*** (0.03, 0.04)
Anxiety	-2.1*** (-2.4, -1.8)	0.9*** (0.5, 1.4)	-0.02*** (-0.02, -0.01)	0.02*** (0.01, 0.04)
Anger	-2.9*** (-3.1, -2.7)	0.5** (0.2, 0.8)	-0.008*** (-0.01, -0.004)	0.01*** (0.006, 0.02)
Sadness	-2.1*** (-2.4, -1.7)	0.07(-0.6, 0.7)	-0.01*** (-0.02, -0.006)	0.03*** (0.02, 0.05)
Swearing Terms	-1.3*** (-1.4, -1.1)	0.2(-0.01, 0.4)	-0.01*** (-0.01, -0.009)	0.01*** (0.007, 0.02)
Tentativeness	-0.09(-0.4, 0.3)	0.2(-0.4, 0.7)	-0.02*** (-0.03, -0.01)	0.006(-0.01, 0.02)
Certainty	-0.3(-0.6, 0.1)	-0.04(-0.6, 0.6)	0.004(-0.004, 0.01)	0.006(-0.01, 0.02)
Swearing (empath)	-1.4*** (-1.5, -1.2)	0.3* (0.06, 0.6)	-0.02*** (-0.02, -0.01)	0.02*** (0.01, 0.02)
science	2.3*** (2, 2.6)	-0.5* (-1, -0.03)	0.02*** (0.01, 0.02)	-0.03*** (-0.04, -0.02)
Neg. Emotion (empath)	-2.1*** (-2.3, -1.9)	0.7*** (0.4, 1)	-0.03*** (-0.03, -0.03)	0.03*** (0.03, 0.04)
Pos. Emotion (empath)	0.5* (0.2, 0.8)	0.7** (0.2, 1.3)	0.001(-0.007, 0.008)	-0.01* (-0.03, 0)

Table 7: RDD parameters for speaker aggregation, excluding outliers.

	α_0	α	β_0	β
Positive Emotions	0.5* (0.002, 1.1)	1.7*** (0.8, 2.5)	0.01** (0.004, 0.03)	-0.1*** (-0.1, -0.09)
Negative Emotions	-0.5* (-1, -0.05)	2.2*** (1.4, 2.9)	-0.01* (-0.02, -0.002)	0.02* (0.003, 0.04)
Anxiety	-0.3(-0.9, 0.3)	1.6*** (0.7, 2.5)	-0.01* (-0.03, 0)	0.02(-0.007, 0.04)
Anger	-0.006(-0.6, 0.6)	1.6*** (0.7, 2.5)	0.001(-0.01, 0.01)	0.01(-0.01, 0.04)
Sadness	-0.3(-0.9, 0.2)	0.8(-0.07, 1.8)	-0.01(-0.02, 0.001)	0.02(-0.007, 0.04)
Swearing Terms	-1.4*** (-1.6, -1.2)	1*** (0.6, 1.4)	-0.03*** (-0.03, -0.02)	0.03*** (0.02, 0.04)
Tentativeness	-2.3*** (-2.7, -2)	1*** (0.4, 1.6)	-0.03*** (-0.04, -0.03)	-0.001(-0.02, 0.01)
Certainty	1.5*** (1, 2)	0.2(-0.6, 0.9)	0.03*** (0.02, 0.04)	0.01(-0.01, 0.03)
Swearing (empath)	-1.4*** (-1.7, -1.1)	2*** (1.6, 2.5)	-0.03*** (-0.03, -0.02)	0.02*** (0.01, 0.04)
science	2.1*** (1.7, 2.5)	-2*** (-2.7, -1.3)	0.03*** (0.02, 0.04)	-0.07*** (-0.09, -0.06)
Neg. Emotion (empath)	-1.4*** (-1.8, -1)	2.2*** (1.6, 2.8)	-0.03*** (-0.04, -0.02)	0.05*** (0.03, 0.06)
Pos. Emotion (empath)	-0.1(-0.6, 0.3)	1.7*** (1, 2.5)	-0.002(-0.01, 0.008)	-0.02* (-0.04, -0.005)

Table 8: RDD parameters for aggregation over different parties, democrats only.

	α_0	α	β_0	β
Positive Emotions	-0.03(-0.4, 0.3)	1.2*** (0.5, 1.8)	0.004(-0.005, 0.01)	-0.04*** (-0.06, -0.02)
Negative Emotions	-0.4* (-0.7, -0.02)	1.4*** (0.9, 2)	-0.009* (-0.01, -0.002)	0.02** (0.006, 0.04)
Anxiety	-0.4* (-0.8, -0.06)	0.8* (0.2, 1.4)	-0.01*** (-0.02, -0.005)	0.03*** (0.01, 0.04)
Anger	-0.06(-0.4, 0.3)	1.1*** (0.5, 1.7)	-0.001(-0.008, 0.007)	0.02* (0.005, 0.04)
Sadness	-0.2(-0.7, 0.2)	0.4(-0.4, 1.1)	-0.008(-0.02, 0.001)	0.01(-0.007, 0.03)
Swearing Terms	-1.2*** (-1.3, -1)	0.8*** (0.5, 1)	-0.02*** (-0.02, -0.02)	0.03*** (0.02, 0.03)
Tentativeness	-1.8*** (-2.2, -1.5)	0.4(-0.1, 0.9)	-0.02*** (-0.03, -0.01)	0.02* (0, 0.03)
Certainty	1.4*** (1, 1.8)	0.5(-0.2, 1.2)	0.02*** (0.01, 0.03)	-0.02(-0.04, 0)
Swearing (empath)	-1.3*** (-1.5, -1)	1.8*** (1.4, 2.2)	-0.02*** (-0.03, -0.01)	0.02*** (0.007, 0.03)
science	1.1*** (0.6, 1.6)	-1** (-1.7, -0.3)	0.02** (0.006, 0.03)	-0.05*** (-0.07, -0.04)
Neg. Emotion (empath)	-1.2*** (-1.5, -0.9)	1.8*** (1.3, 2.3)	-0.02*** (-0.03, -0.02)	0.03*** (0.02, 0.04)
Pos. Emotion (empath)	-0.1(-0.5, 0.2)	1.3*** (0.7, 1.9)	-0(-0.008, 0.008)	-0.02* (-0.03, -0.002)

Table 9: RDD parameters for aggregation over different parties, excluding outliers, democrats only.

	α_0	α	β_0	β
Positive Emotions	0.3(-0.3, 0.8)	1.4**(0.5, 2.3)	0.005(-0.007, 0.02)	-0.05***(-0.08, -0.03)
Negative Emotions	-1.4***(-1.8, -0.9)	2.4*** (1.7, 3.1)	-0.04***(-0.04, -0.03)	0.04*** (0.02, 0.06)
Anxiety	-1.5***(-2, -1)	1.9*** (1, 2.7)	-0.03***(-0.04, -0.02)	0.04*** (0.02, 0.06)
Anger	-0.8**(-1.3, -0.3)	2.1*** (1.3, 2.9)	-0.02***(-0.03, -0.01)	0.02*(0.001, 0.04)
Sadness	-1.4***(-1.9, -0.9)	1.3** (0.5, 2.1)	-0.03***(-0.04, -0.02)	0.02(-0.002, 0.04)
Swearing Terms	-1.4***(-1.6, -1.1)	1.3*** (0.9, 1.8)	-0.04***(-0.05, -0.03)	0.04*** (0.02, 0.05)
Tentativeness	0.4(-0.06, 0.8)	0(-0.7, 0.7)	-0.01**(-0.02, -0.005)	-0.01(-0.03, 0.007)
Certainty	0.7** (0.2, 1.1)	1.1** (0.3, 1.8)	0.02*** (0.01, 0.03)	0.02*(0.001, 0.04)
Swearing (empath)	-1.2***(-1.5, -0.9)	2*** (1.5, 2.5)	-0.04***(-0.04, -0.03)	0.03*** (0.02, 0.05)
science	0.2(-0.2, 0.5)	-2.1***(-2.7, -1.6)	0.02*** (0.02, 0.03)	-0.02*(-0.03, -0.004)
Neg. Emotion (empath)	-1***(-1.4, -0.7)	2*** (1.5, 2.6)	-0.03***(-0.04, -0.02)	0.02*(0.003, 0.03)
Pos. Emotion (empath)	0.1(-0.2, 0.5)	1.4*** (0.8, 2)	0.002(-0.006, 0.01)	-0.03**(-0.04, -0.01)

Table 10: RDD parameters for aggregation over different parties, republicans only.

	α_0	α	β_0	β
Positive Emotions	0.08(-0.3, 0.5)	0.9** (0.2, 1.6)	0.002(-0.006, 0.01)	-0.03**(-0.04, -0.009)
Negative Emotions	-1***(-1.3, -0.6)	1.6*** (0.9, 2.2)	-0.02***(-0.03, -0.01)	0.03*** (0.01, 0.04)
Anxiety	-1.2***(-1.6, -0.9)	1.1*** (0.5, 1.7)	-0.03***(-0.03, -0.02)	0.04*** (0.02, 0.06)
Anger	-0.5**(-0.9, -0.2)	1.4*** (0.8, 2)	-0.01***(-0.02, -0.006)	0.02*(0.004, 0.04)
Sadness	-0.9***(-1.4, -0.5)	0.9** (0.2, 1.6)	-0.02***(-0.03, -0.009)	0.009(-0.009, 0.03)
Swearing Terms	-1***(-1.2, -0.9)	1*** (0.7, 1.3)	-0.03***(-0.03, -0.02)	0.02*** (0.02, 0.03)
Tentativeness	0.3(-0.06, 0.7)	-0.05(-0.7, 0.6)	-0.003(-0.01, 0.006)	-0.02**(-0.04, -0.006)
Certainty	0.8*** (0.4, 1.1)	1*** (0.5, 1.6)	0.02*** (0.007, 0.02)	-0.009(-0.03, 0.008)
Swearing (empath)	-0.9***(-1.2, -0.7)	1.7*** (1.3, 2.1)	-0.03***(-0.03, -0.02)	0.02*** (0.01, 0.03)
science	-0.02(-0.3, 0.3)	-1.5***(-2.1, -1)	0.02*** (0.01, 0.03)	-0.02*(-0.03, -0.001)
Neg. Emotion (empath)	-1***(-1.3, -0.7)	2*** (1.5, 2.5)	-0.03***(-0.04, -0.02)	0.01*(0.001, 0.03)
Pos. Emotion (empath)	0.1(-0.2, 0.5)	1.1*** (0.5, 1.6)	0.005(-0.002, 0.01)	-0.02**(-0.04, -0.009)

Table 11: RDD parameters for aggregation over different parties, excluding outliers, republicans only.

	α_0	α	β_0	β
Positive Emotions	1.6*** (1.2, 2.1)	0.4(-0.3, 1.1)	0.01*(0.002, 0.02)	-0.04***(-0.06, -0.03)
Negative Emotions	-2.7***(-3, -2.5)	0.8*** (0.4, 1.2)	-0.03***(-0.03, -0.02)	0.03*** (0.02, 0.04)
Anxiety	-1.7***(-2.2, -1.2)	0.6(-0.1, 1.4)	-0.02***(-0.03, -0.01)	0.04*** (0.02, 0.06)
Anger	-2.3***(-2.6, -2.1)	0.7*** (0.3, 1.1)	-0.009***(-0.01, -0.004)	0.01*(0.001, 0.02)
Sadness	-1.6***(-2.1, -1.1)	0.3(-0.4, 1.1)	-0.02***(-0.03, -0.008)	0.03** (0.01, 0.05)
Swearing Terms	-1.3***(-1.5, -1.1)	0.4*(0.07, 0.6)	-0.02***(-0.02, -0.01)	0.02*** (0.02, 0.03)
Tentativeness	-1.4***(-1.7, -1)	0.7*(0.2, 1.3)	-0.04***(-0.05, -0.03)	0.02*(0.001, 0.03)
Certainty	-0.5*(-1, -0.04)	0.5(-0.3, 1.2)	-0.005(-0.01, 0.005)	0.02*(0.001, 0.04)
Swearing (empath)	-1.4***(-1.7, -1.2)	0.6** (0.2, 0.9)	-0.03***(-0.03, -0.02)	0.02*** (0.01, 0.03)
science	2.5*** (2.2, 2.9)	-0.9**(-1.4, -0.3)	0.02*** (0.02, 0.03)	-0.04***(-0.05, -0.02)
Neg. Emotion (empath)	-2.1***(-2.3, -1.8)	0.9*** (0.5, 1.3)	-0.04***(-0.04, -0.03)	0.04*** (0.03, 0.05)
Pos. Emotion (empath)	0.4** (0.1, 0.8)	0.5*(-0.001, 1.1)	0(-0.007, 0.007)	-0.01(-0.02, 0.004)

Table 12: RDD parameters for aggregation on verbosity quartiles, most verbose quartile of politicians.

	α_0	α	β_0	β
Positive Emotions	1.4*** (1, 1.7)	0.5(-0.1, 1)	0.006(-0.001, 0.01)	-0.03***(-0.04, -0.01)
Negative Emotions	-2.5***(-2.7, -2.3)	0.6*** (0.3, 1)	-0.02***(-0.02, -0.01)	0.02*** (0.01, 0.03)
Anxiety	-1.5***(-1.8, -1.2)	0.5(-0.004, 1.1)	-0.01**(-0.02, -0.004)	0.02*(0.002, 0.03)
Anger	-2.2***(-2.5, -2)	0.6*** (0.3, 1)	-0.006*(-0.01, -0.001)	0.006(-0.003, 0.02)
Sadness	-1.4***(-1.8, -1)	0.3(-0.3, 1)	-0.008(-0.02, 0)	0.01(-0.006, 0.03)
Swearing Terms	-1.2***(-1.3, -1)	0.2*(0.005, 0.5)	-0.01***(-0.02, -0.01)	0.02*** (0.01, 0.03)
Tentativeness	-0.8***(-1.1, -0.5)	0.2(-0.3, 0.8)	-0.03***(-0.04, -0.02)	0.03*** (0.01, 0.05)
Certainty	-0.4(-0.8, 0.02)	0.3(-0.3, 1)	-0.004(-0.01, 0.005)	0.02(0, 0.04)
Swearing (empath)	-1.2***(-1.4, -1)	0.3*(0.05, 0.6)	-0.02***(-0.02, -0.01)	0.01*** (0.007, 0.02)
science	2.3*** (2, 2.6)	-0.6*(-1.1, -0.06)	0.02*** (0.01, 0.03)	-0.03***(-0.04, -0.01)
Neg. Emotion (empath)	-1.9***(-2.1, -1.7)	0.7*** (0.3, 1)	-0.03***(-0.03, -0.02)	0.03*** (0.02, 0.04)
Pos. Emotion (empath)	0.5** (0.1, 0.8)	0.5*(0.004, 1.1)	-0(-0.007, 0.007)	-0.01(-0.02, 0.004)

Table 13: RDD parameters for aggregation on verbosity quartiles, excluding outliers, most verbose quartile of politicians.

	α_0	α	β_0	β
Positive Emotions	0.4(-0.4, 1.1)	0.4(-0.8, 1.6)	0.008(-0.008, 0.02)	-0.04*(-0.07, -0.007)
Negative Emotions	-4.4***(-4.7, -4.1)	1*** (0.5, 1.5)	-0.04***(-0.04, -0.03)	0.05*** (0.03, 0.06)
Anxiety	-2.8***(-3.4, -2.2)	0.6(-0.3, 1.4)	-0.02***(-0.03, -0.007)	0.06*** (0.04, 0.08)
Anger	-3.6***(-3.9, -3.3)	0.6*(0.1, 1)	-0.01***(-0.02, -0.007)	0.02** (0.006, 0.03)
Sadness	-3.2***(-3.9, -2.4)	0.3(-0.9, 1.5)	-0.03***(-0.05, -0.01)	0.06*** (0.03, 0.1)
Swearing Terms	-1.6***(-1.9, -1.3)	0.4(-0.06, 0.9)	-0.02***(-0.02, -0.01)	0.01*(0, 0.03)
Tentativeness	0.8*(0.2, 1.5)	0.2(-0.9, 1.3)	-0.02***(-0.04, -0.009)	-0.02(-0.05, 0.006)
Certainty	-0.2(-1, 0.6)	-0.9(-2.2, 0.3)	0.007(-0.01, 0.02)	0.03(-0.002, 0.07)
Swearing (empath)	-1.6***(-2, -1.2)	0.4(-0.2, 1.1)	-0.02***(-0.03, -0.01)	0.02** (0.006, 0.04)
science	1.9*** (1.4, 2.4)	0.4(-0.4, 1.2)	0.01*(0.001, 0.02)	-0.04***(-0.06, -0.01)
Neg. Emotion (empath)	-2.4***(-2.7, -2)	0.8** (0.3, 1.4)	-0.03***(-0.04, -0.03)	0.03*** (0.02, 0.05)
Pos. Emotion (empath)	0.2(-0.3, 0.7)	0.9*(0.1, 1.7)	-0.002(-0.01, 0.008)	-0.01(-0.03, 0.01)

Table 14: RDD parameters for aggregation on verbosity quartiles, 2nd most verbose quartile of politicians.

	α_0	α	β_0	β
Positive Emotions	1.3*** (0.7, 1.8)	-0.6(-1.4, 0.2)	0.02*** (0.01, 0.03)	-0.02(-0.04, 0.002)
Negative Emotions	-4.1***(-4.4, -3.8)	0.8** (0.3, 1.2)	-0.03***(-0.04, -0.02)	0.04*** (0.03, 0.05)
Anxiety	-2.6***(-3, -2.2)	0.9** (0.2, 1.5)	-0.02***(-0.03, -0.009)	0.03*** (0.01, 0.05)
Anger	-3.6***(-3.8, -3.3)	0.5*(0.06, 1)	-0.01***(-0.02, -0.005)	0.02** (0.005, 0.03)
Sadness	-2.5***(-3, -2)	0.9(-0.06, 1.9)	-0.02***(-0.03, -0.01)	0.03*(0.004, 0.05)
Swearing Terms	-1.5***(-1.7, -1.2)	0.3(-0.1, 0.7)	-0.01***(-0.02, -0.005)	0.007(-0.004, 0.02)
Tentativeness	0.5(-0.006, 1)	-0.3(-1.1, 0.5)	-0.01(-0.02, 0.001)	0.005(-0.02, 0.03)
Certainty	-0.3(-0.8, 0.2)	0.1(-0.7, 1)	-0.001(-0.01, 0.01)	0.006(-0.02, 0.03)
Swearing (empath)	-1.3***(-1.7, -1)	0.2(-0.4, 0.7)	-0.01***(-0.02, -0.006)	0.01(-0.002, 0.03)
science	2*** (1.6, 2.4)	-0.1(-0.8, 0.6)	0.01*(0.001, 0.02)	-0.02*(-0.04, -0.001)
Neg. Emotion (empath)	-2.2***(-2.5, -1.8)	0.6*(0.1, 1.2)	-0.03***(-0.03, -0.02)	0.03*** (0.01, 0.04)
Pos. Emotion (empath)	0.7** (0.3, 1.2)	0.3(-0.4, 1)	0.004(-0.006, 0.01)	-0.01(-0.03, 0.006)

Table 15: RDD parameters for aggregation on verbosity quartiles, excluding outliers, 2nd most verbose quartile of politicians.

	α_0	α	β_0	β
Positive Emotions	1.1(-0.04, 2.3)	1.2(-0.7, 3.1)	0.01(-0.01, 0.04)	-0.06*(-0.1, -0.01)
Negative Emotions	-4.8***(-5.3, -4.3)	1*(0.2, 1.8)	-0.04***(-0.06, -0.03)	0.06***(-0.04, 0.08)
Anxiety	-2.9***(-3.8, -2)	0.6(-0.9, 2)	-0.03**(-0.04, -0.007)	0.07***(-0.03, 0.1)
Anger	-3.7***(-4.1, -3.2)	0.3(-0.4, 1)	-0.01**(-0.02, -0.004)	0.03**(-0.008, 0.05)
Sadness	-3.1***(-4.5, -1.8)	0.5(-1.7, 2.7)	-0.04**(-0.07, -0.01)	0.07*(0.009, 0.1)
Swearing Terms	-1.4***(-1.8, -1.1)	0.1(-0.5, 0.7)	-0.01***(-0.02, -0.007)	0.009(-0.006, 0.03)
Tentativeness	1.2**(-0.3, 2.1)	1(-0.4, 2.4)	-0.01(-0.03, 0.005)	-0.04*(-0.08, -0.006)
Certainty	0.04(-1.4, 1.5)	-0.7(-3, 1.6)	0.01(-0.02, 0.04)	-0.02(-0.08, 0.04)
Swearing (empath)	-1.4***(-1.9, -0.9)	-0.007(-0.9, 0.9)	-0.02***(-0.03, -0.009)	0.02(-0.001, 0.04)
science	2.1***(-1.3, 3)	-0.9(-2.2, 0.5)	0.02(-0.002, 0.04)	-0.01(-0.05, 0.02)
Neg. Emotion (empath)	-2.1***(-2.7, -1.6)	0.2(-0.7, 1.1)	-0.03***(-0.04, -0.02)	0.05***(-0.03, 0.07)
Pos. Emotion (empath)	1.3***(-0.5, 2.1)	1.1(-0.1, 2.4)	0.01(-0.007, 0.03)	-0.04*(-0.07, -0.007)

Table 16: RDD parameters for aggregation on verbosity quartiles, 3rd most verbose quartile of politicians.

	α_0	α	β_0	β
Positive Emotions	1**(0.2, 1.7)	0.6(-0.5, 1.7)	0.004(-0.01, 0.02)	-0.02(-0.05, 0.006)
Negative Emotions	-4***(-4.4, -3.5)	0.7(-0.02, 1.4)	-0.02***(-0.04, -0.01)	0.03**(-0.008, 0.04)
Anxiety	-2.1***(-2.6, -1.6)	0.05(-0.8, 0.9)	-0.01(-0.02, 0)	0.03*(0.006, 0.05)
Anger	-3.2***(-3.6, -2.7)	-0.02(-0.7, 0.7)	-0.005(-0.01, 0.003)	0.01(-0.006, 0.03)
Sadness	-1*(-1.8, -0.2)	-1.7**(-2.9, -0.4)	0.008(-0.009, 0.03)	0.02(-0.01, 0.05)
Swearing Terms	-1.3***(-1.7, -0.9)	-0.04(-0.6, 0.5)	-0.01**(-0.02, -0.003)	0.006(-0.009, 0.02)
Tentativeness	0.7**(-0.2, 1.3)	0.1(-0.8, 1)	-0.009(-0.02, 0.003)	-0.005(-0.03, 0.02)
Certainty	0.2(-0.5, 1)	-0.4(-1.7, 1)	0.004(-0.01, 0.02)	-0.01(-0.04, 0.02)
Swearing (empath)	-1.6***(-2.1, -1.2)	0.09(-0.6, 0.8)	-0.02***(-0.03, -0.009)	0.03**(-0.008, 0.05)
science	2***(-1.5, 2.5)	-0.7(-1.6, 0.2)	0.01*(0.003, 0.03)	-0.01(-0.04, 0.01)
Neg. Emotion (empath)	-1.6***(-2, -1.1)	-0.04(-0.8, 0.7)	-0.01*(-0.02, -0.002)	0.02*(0.001, 0.04)
Pos. Emotion (empath)	1.3***(-0.7, 1.8)	-0.6(-1.6, 0.3)	0.009(-0.003, 0.02)	-0.003(-0.03, 0.02)

Table 17: RDD parameters for aggregation on verbosity quartiles, excluding outliers, 3rd most verbose quartile of politicians.

	α_0	α	β_0	β
Positive Emotions	2.9**(-0.9, 4.9)	-0.1(-3.3, 3.1)	0.04*(0.001, 0.09)	-0.1**(-0.2, -0.03)
Negative Emotions	-3.6***(-4.8, -2.3)	-0.1(-2.1, 1.8)	-0.02(-0.04, 0.01)	0.02(-0.03, 0.07)
Anxiety	-2.4*(-4.3, -0.5)	-0.3(-3.4, 2.7)	-0.02(-0.06, 0.02)	0.05(-0.03, 0.1)
Anger	-3.5***(-4.7, -2.3)	0.4(-1.5, 2.4)	-0.02(-0.04, 0.008)	0.03(-0.02, 0.08)
Sadness	-1.2(-4.5, 2.2)	-1.3(-6.7, 4.1)	-0.008(-0.08, 0.06)	0.04(-0.1, 0.2)
Swearing Terms	-1.1(-2.5, 0.4)	0.7(-1.7, 3)	-0.02(-0.05, 0.01)	0.02(-0.04, 0.08)
Tentativeness	0.7(-1.5, 2.9)	-0.2(-3.7, 3.3)	-0.02(-0.06, 0.03)	-0.002(-0.09, 0.09)
Certainty	1.2(-2.1, 4.6)	2.5(-2.9, 7.8)	-0.002(-0.07, 0.07)	-0.08(-0.2, 0.06)
Swearing (empath)	-1.9*(-3.7, -0.07)	1.5(-1.4, 4.4)	-0.02(-0.06, 0.02)	0.001(-0.07, 0.08)
science	4***(-1.6, 6.4)	-3.3(-7.2, 0.6)	0.04(-0.008, 0.1)	-0.05(-0.1, 0.05)
Neg. Emotion (empath)	-2.3***(-3.6, -0.9)	1(-1.1, 3.2)	-0.02(-0.05, 0.005)	0.02(-0.04, 0.08)
Pos. Emotion (empath)	2.5**(-0.7, 4.3)	0.5(-2.4, 3.4)	0.02(-0.02, 0.06)	-0.06(-0.1, 0.01)

Table 18: RDD parameters for aggregation on verbosity quartiles, least verbose quartile of politicians.

	α_0	α	β_0	β
Positive Emotions	0.8(-0.1, 1.7)	-0.6(-2.1, 1)	0.003(-0.02, 0.02)	-0.003(-0.05, 0.04)
Negative Emotions	-2.8***(-3.5, -2.2)	-0.9(-2.3, 0.4)	-0.003(-0.02, 0.01)	0.03(-0.006, 0.06)
Anxiety	-1.7***(-2.7, -0.7)	0.2(-1.3, 1.6)	0.002(-0.02, 0.02)	-0.003(-0.04, 0.03)
Anger	-2.6***(-3.5, -1.7)	0.06(-1.3, 1.4)	0.004(-0.01, 0.02)	-0.001(-0.03, 0.03)
Sadness	-1.7***(-2.5, -0.9)	1.1(-0.09, 2.3)	-0.01(-0.03, 0.008)	-0.02(-0.05, 0.02)
Swearing Terms	-1.4***(-2, -0.8)	0.2(-0.9, 1.3)	-0.003(-0.02, 0.01)	-0.004(-0.03, 0.02)
Tentativeness	0.3(-0.5, 1)	1.1(-0.1, 2.4)	-0.005(-0.02, 0.01)	-0.02(-0.05, 0.02)
Certainty	0.3(-1.1, 1.6)	-0.8(-2.7, 1)	0.001(-0.03, 0.03)	-0(-0.05, 0.05)
Swearing (empath)	-1.3***(-2.2, -0.5)	-0.2(-1.7, 1.4)	-0.006(-0.02, 0.01)	0.005(-0.03, 0.04)
science	2.3*** (1.3, 3.2)	-0.4(-2, 1.2)	0.02(-0.002, 0.04)	-0.01(-0.06, 0.03)
Neg. Emotion (empath)	-1.1***(-1.7, -0.4)	-0.5(-1.5, 0.5)	0.004(-0.01, 0.02)	-0.008(-0.04, 0.02)
Pos. Emotion (empath)	1.4*** (0.6, 2.3)	-0.04(-1.8, 1.8)	0.009(-0.008, 0.03)	-0.03(-0.08, 0.02)

Table 19: RDD parameters for aggregation on verbosity quartiles, excluding outliers, least verbose quartile of politicians.