Sheffield Hallam University

Mapping social identity change in online networks of addiction recovery

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Table 1. Mean comparisons of LIWC categories between the 3 sub-groups.

LIWC Category	**Old members**	**New members**	**Other members**
	N = 45	**N = 22**	**N = 751**
Positive emotions	16.54 ± 13.64^{a}	8.92 ± 10.37^{b}	5.77 ± 12.41^{b}
We	0.36 ± 0.51^{a}	0.29 ± 0.62^{ab}	0.09 ± 0.57^{b}
Achieve	2.13 ± 2.09^{a}	0.95 ± 1.52^{b}	0.52 ± 2.16^{b}
Affiliation	4.06 ± 5.38^{a}	3.16 ± 5.71^{a}	0.81 ± 3.44^{b}

Within rows, different superscript letters are significantly different at $p < .05$

Table 2. Mean comparisons of LIWC categories between subgroups made of old members and other members before and after the positive event.

	Old members		**Other members**	
LIWC Category	**Before week 11**	**After week 11**	**Before week 11**	**After week 11**
Positive emotions	15.27 ± 19.16	18.70 ± 23.22	16.67 ± 18.58	15.51 ± 18.33
We	0.63 ± 2.88	0.73 ± 3.57	0.77 ± 3.95	0.82 ± 2.89
Achieve	2.43 ± 7.12	2.42 ± 7.62	2.24 ± 5.50	2.03 ± 5.25
Affiliation	4.61 ± 9.79	4.14 ± 9.49	3.21 ± 7.20	3.41 ± 7.33

Table 3. Differences between SNA coefficients in old members (clients who joined before the event), new members (clients who joined after the event), and other group members (broader support community).

	Old members ***N* = 45**	**New members** ***N* = 22**	**Other members** ***N* = 751**
Betweenness	38.88 ± 145.06	6.54 ± 25.37	10.02 ± 104.56
Degree	7.97 ± 17.83	3.44 ± 6.11	2.90 ± 10.94

Table 4. Differences between SNA coefficients in old members (clients who joined before the event), new members (clients who joined after the event), and other group members (broader support community).

	Old members		**The rest of the members** (including new members)	
	Before event	**After event**	**Before event**	**After event**
Betweenness	57.02 ± 199.85	142.08 ± 492.81	53.37 ± 349.79	44.08 ± 352.73
Degree	18.34 ± 28.82	22.47 ± 42.19	11.45 ± 38.80	7.27 ± 28.74

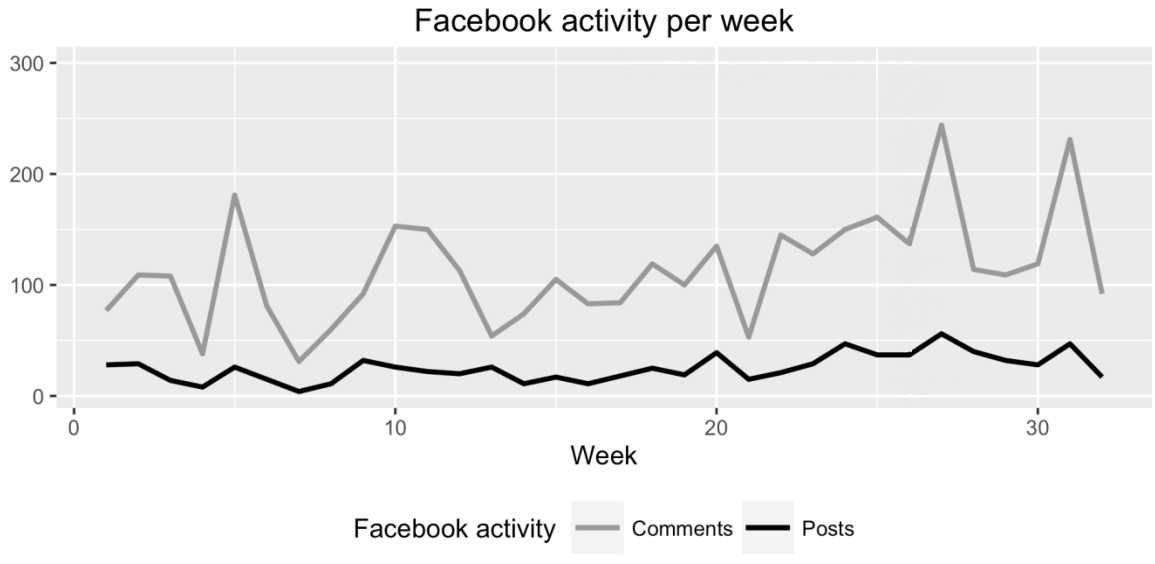


Figure 1. Number of posts and comments per week on the JFH Facebook page from 31 March to 4 November 2015

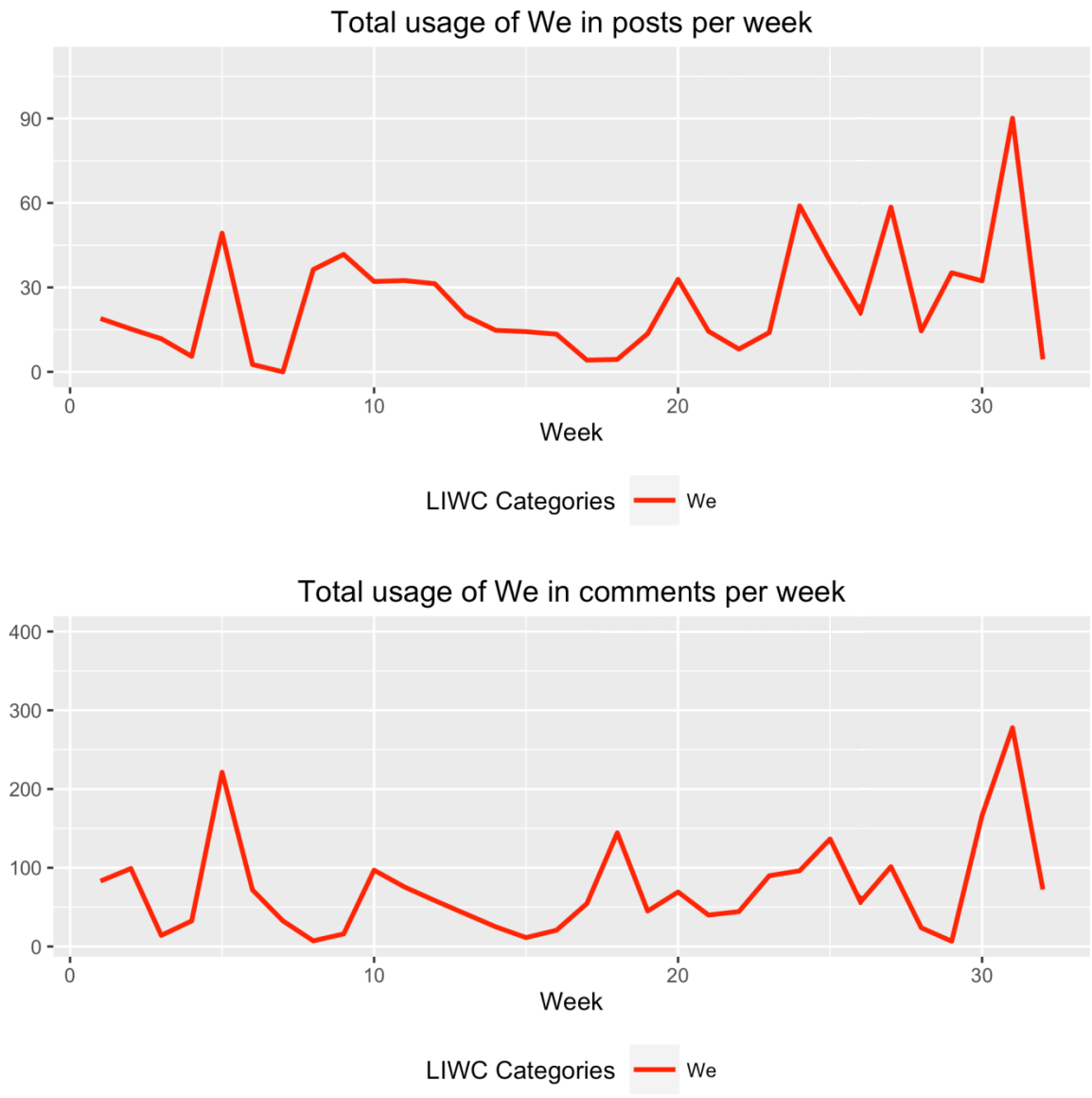


Figure 2. Variations in the use of pronoun 'we' in the JFH Facebook page in posts and comments from 31 March to 4 November 2015

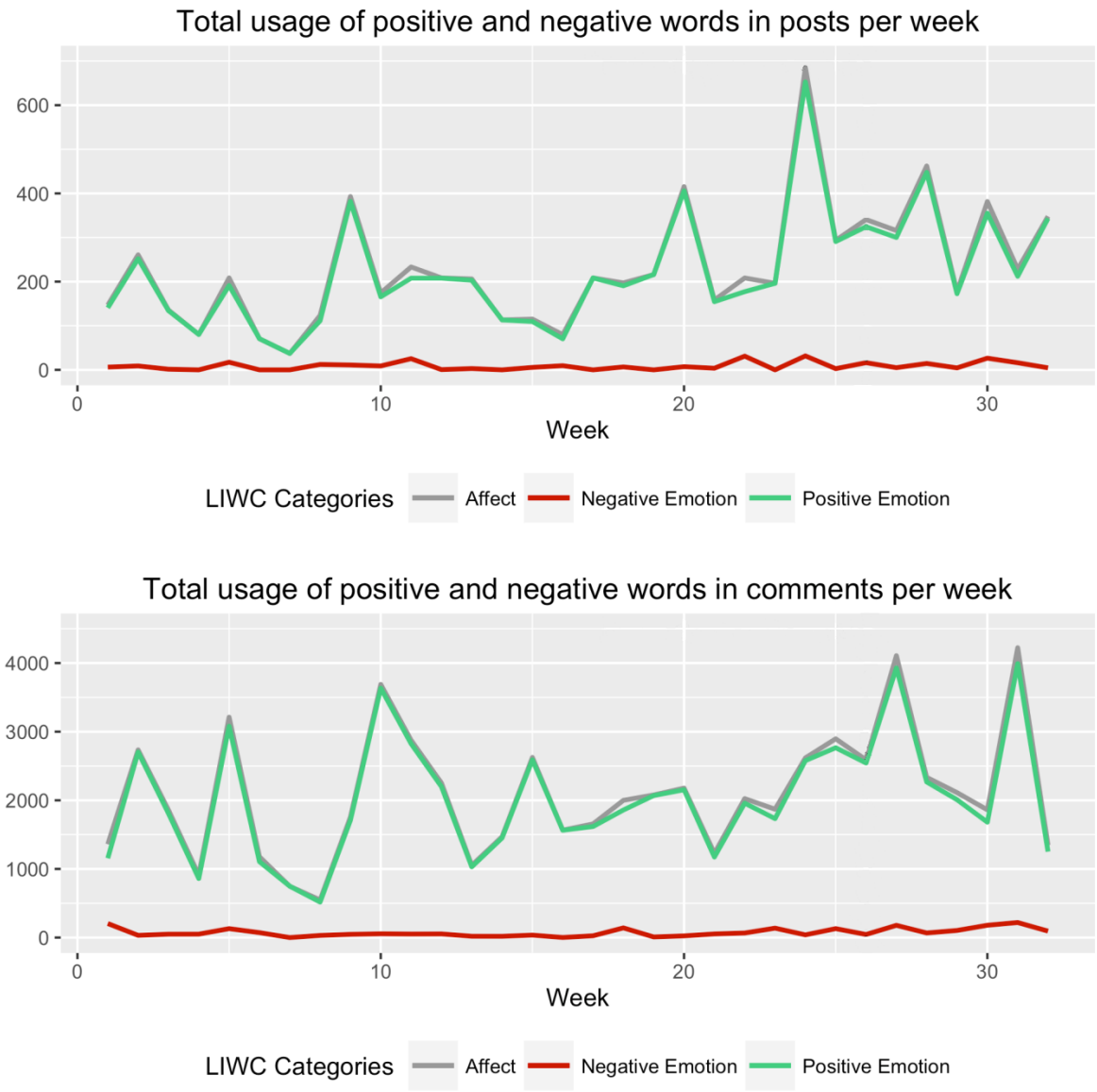


Figure 3. Variation in the use of affect in JFH Facebook page in posts and comments from 31 March to 4 November 2015

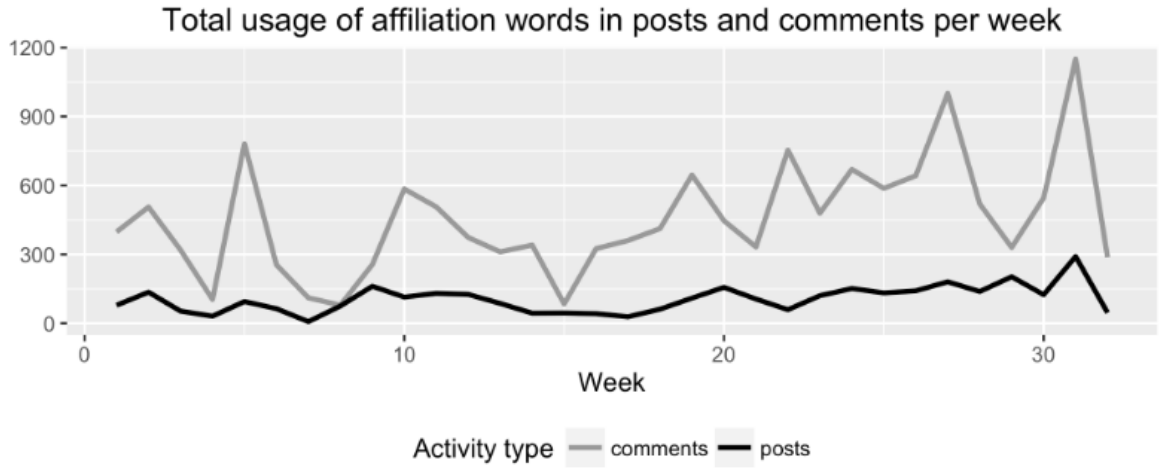
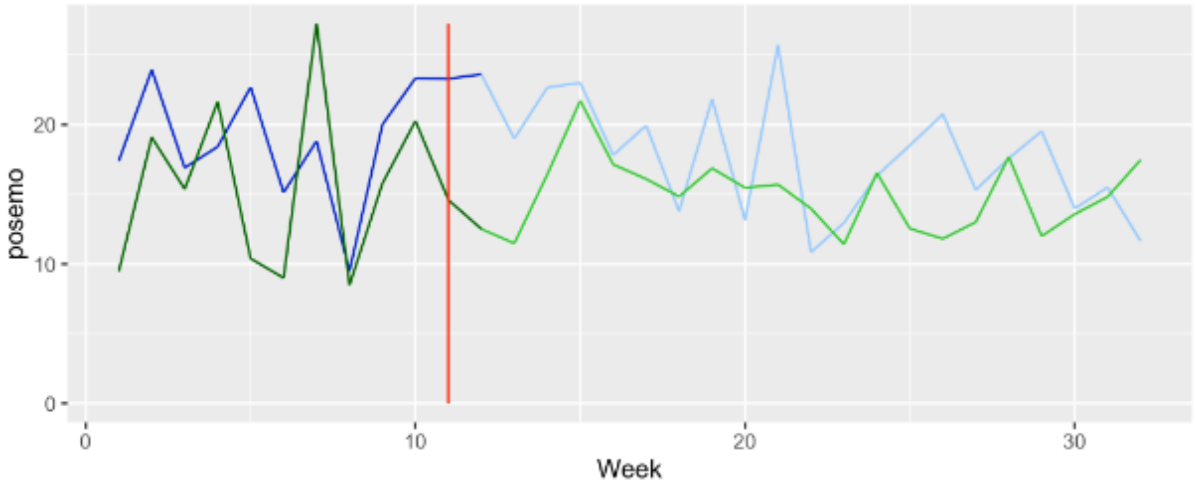


Figure 4. Variation in the use of affiliation words in posts on the JFH Facebook page from 31 March to 4 November 2015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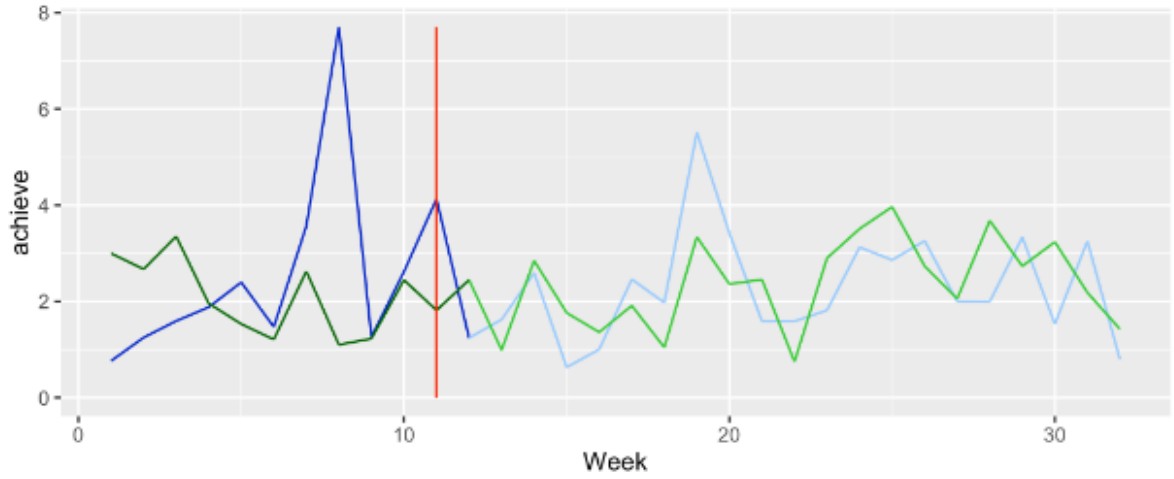
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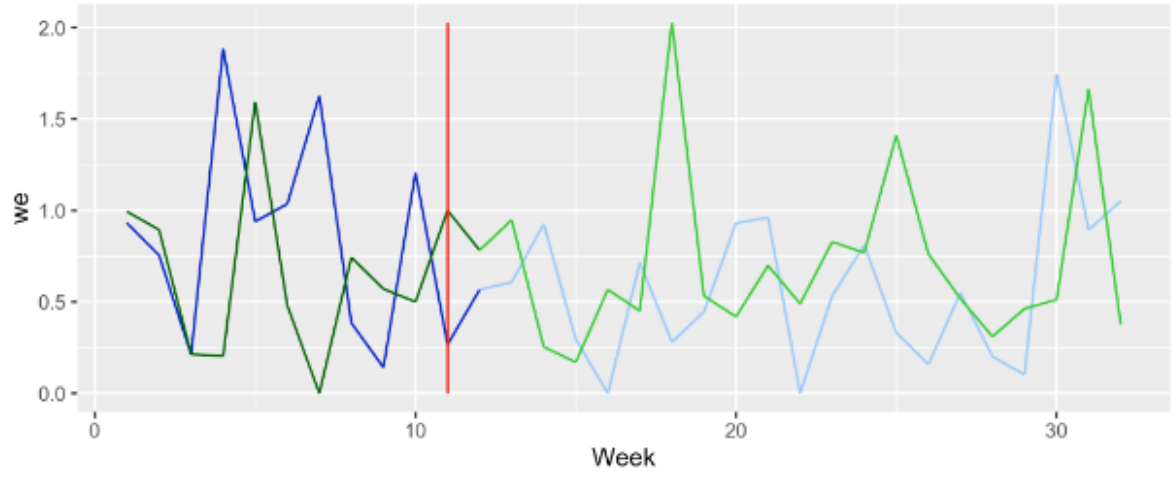
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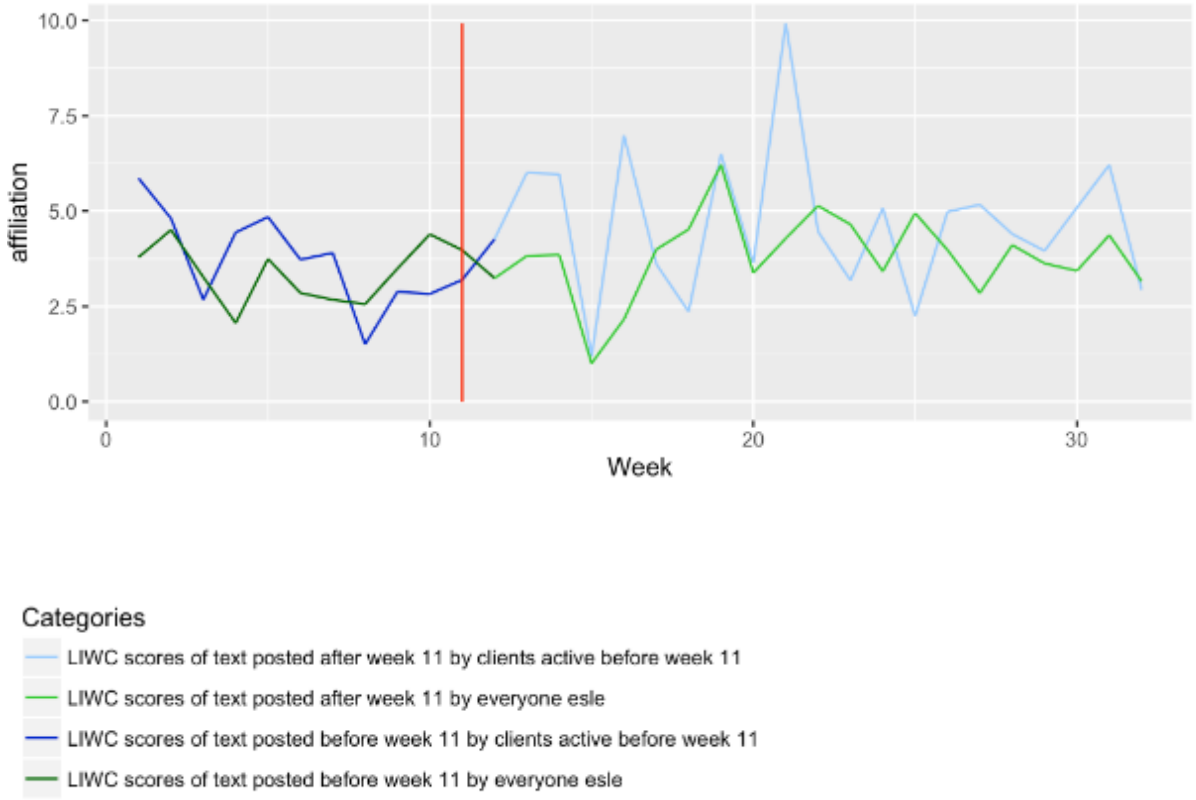

Figure 5. Variation in the use of LIWC categories in posts on the JFH Facebook page for each sub-group

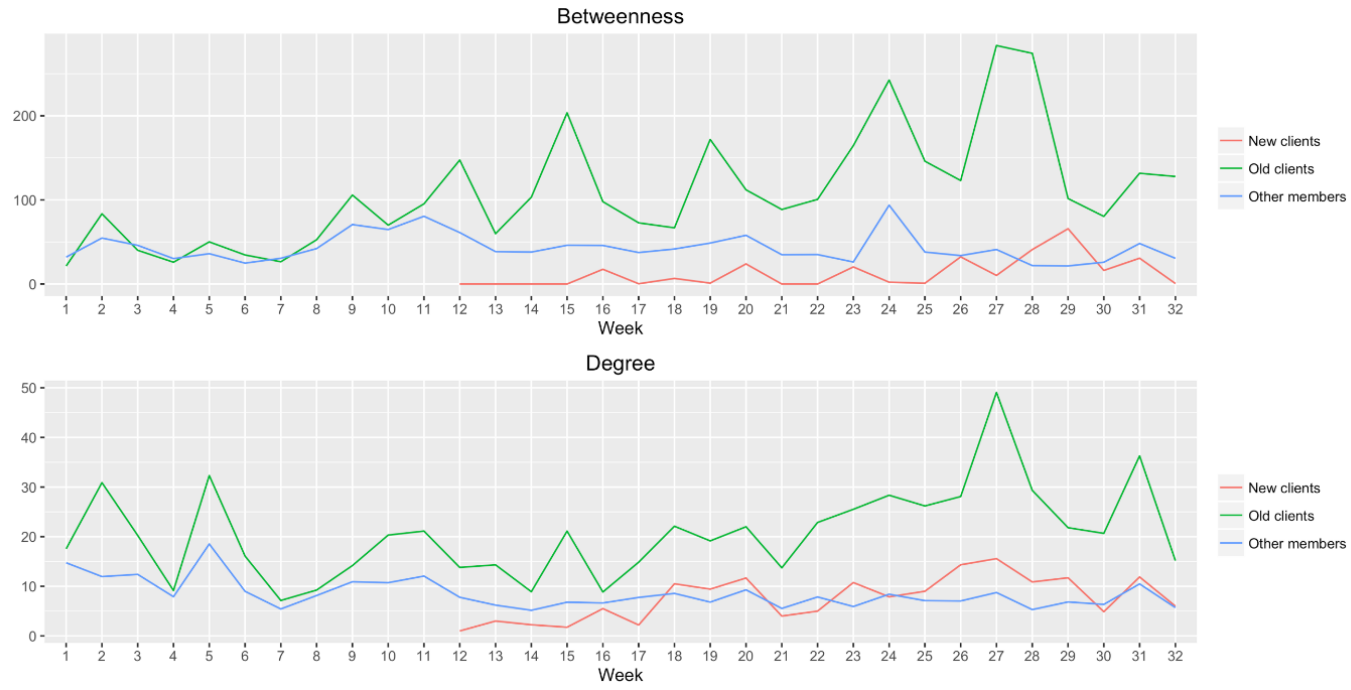

Figure 6. Variation in mean betweeness and degree scores for all members from week 1-32