

## **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.*

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

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.*

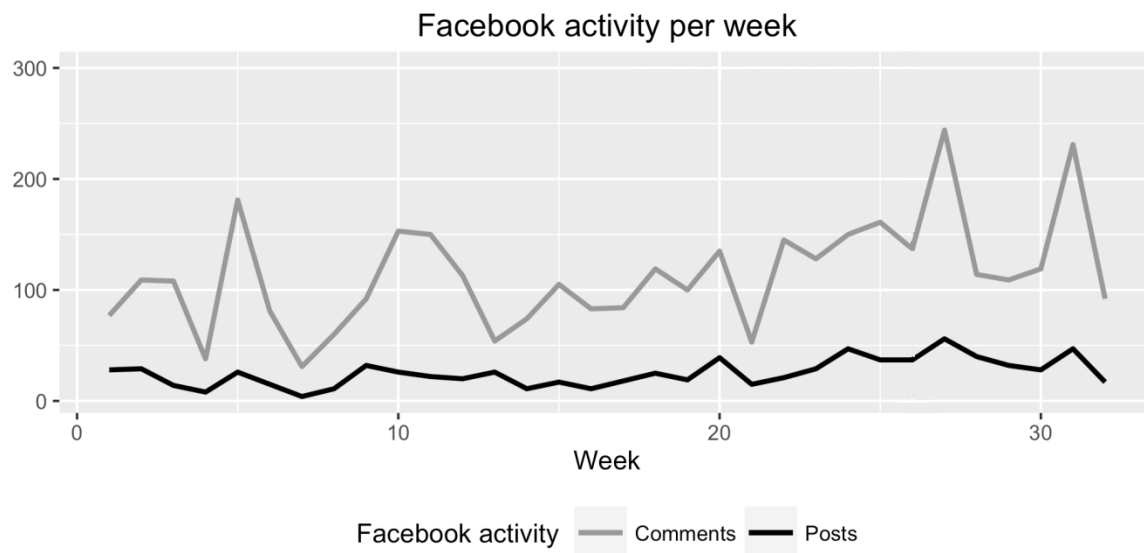
<b>LIWC Category</b>	<b>Old members</b>		<b>Other members</b>	
	<b>Before week 11</b>	<b>After week 11</b>	<b>Before week 11</b>	<b>After week 11</b>
Positive emotions	15.27 ± 19.16	18.70 ± 23.22	16.67 ± 18.58	15.51 ± 18.33
We	0.63 ± 2.88	0.73 ± 3.57	0.77 ± 3.95	0.82 ± 2.89
Achieve	2.43 ± 7.12	2.42 ± 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).*

	<b>Old members</b> <b><i>N</i> = 45</b>	<b>New members</b> <b><i>N</i> = 22</b>	<b>Other members</b> <b><i>N</i> = 751</b>
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*

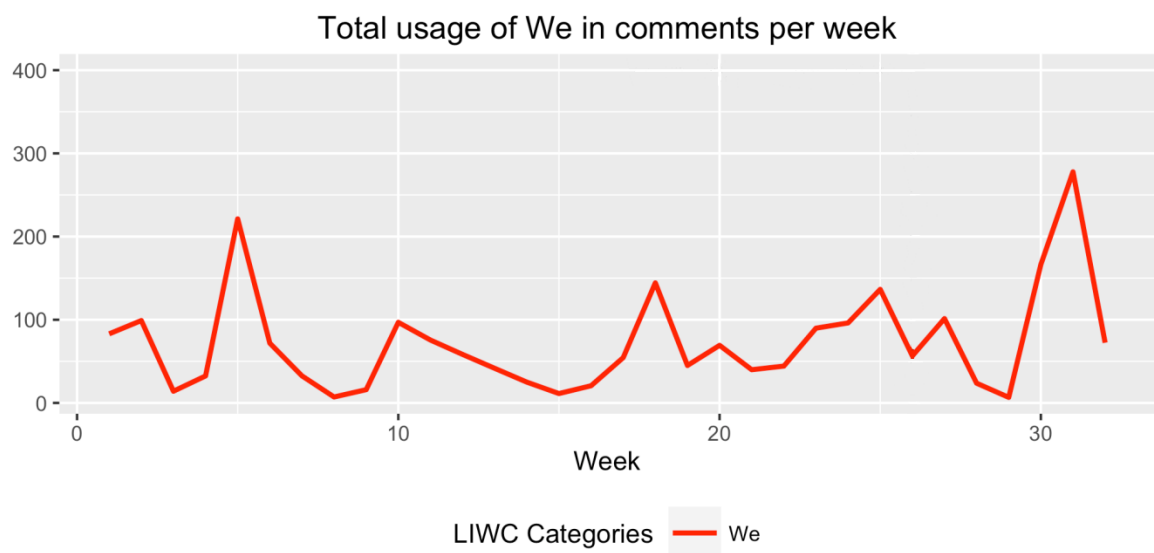
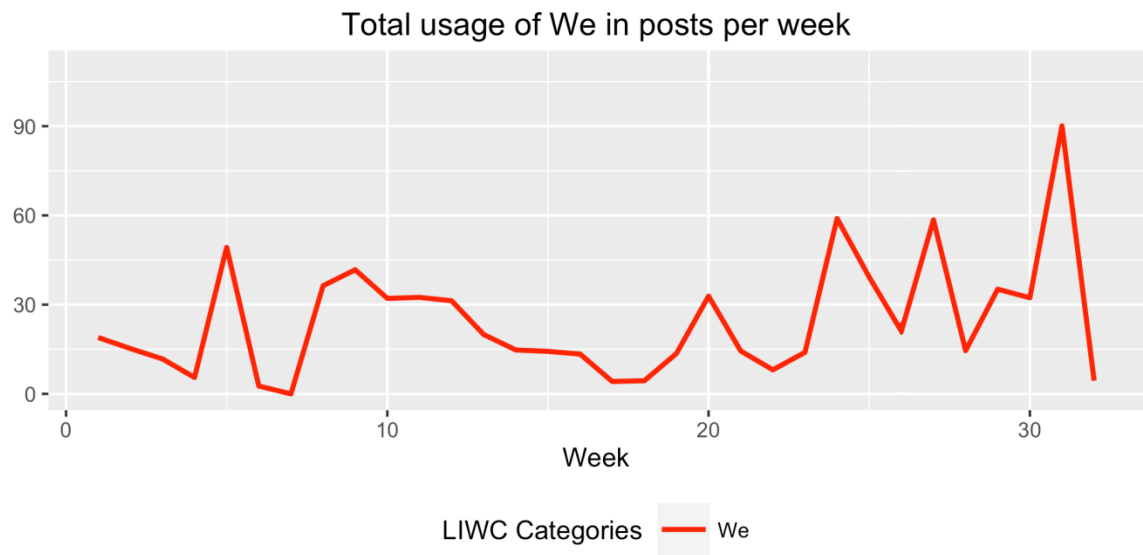
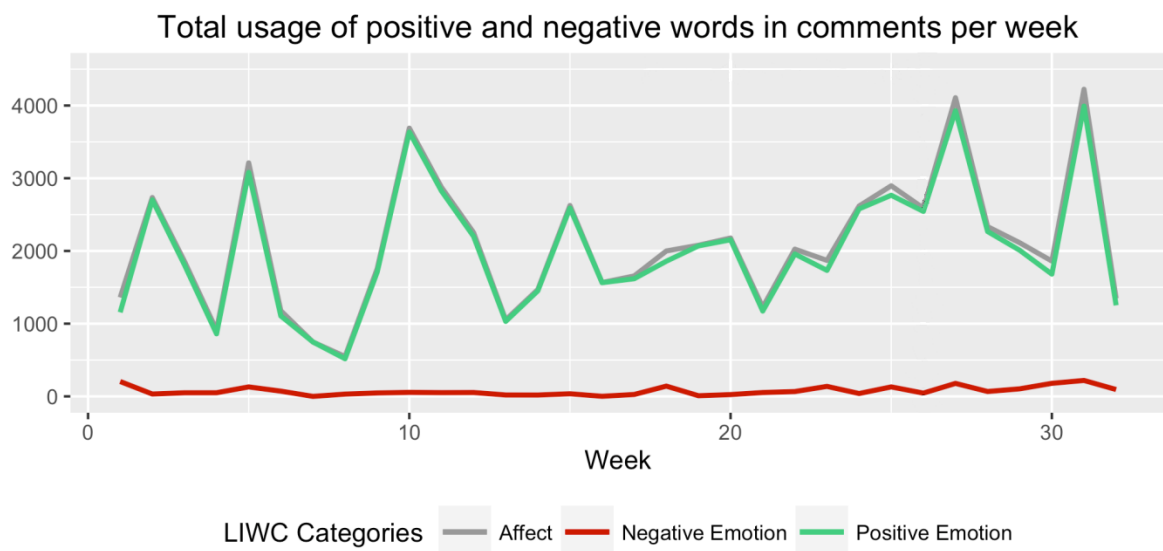
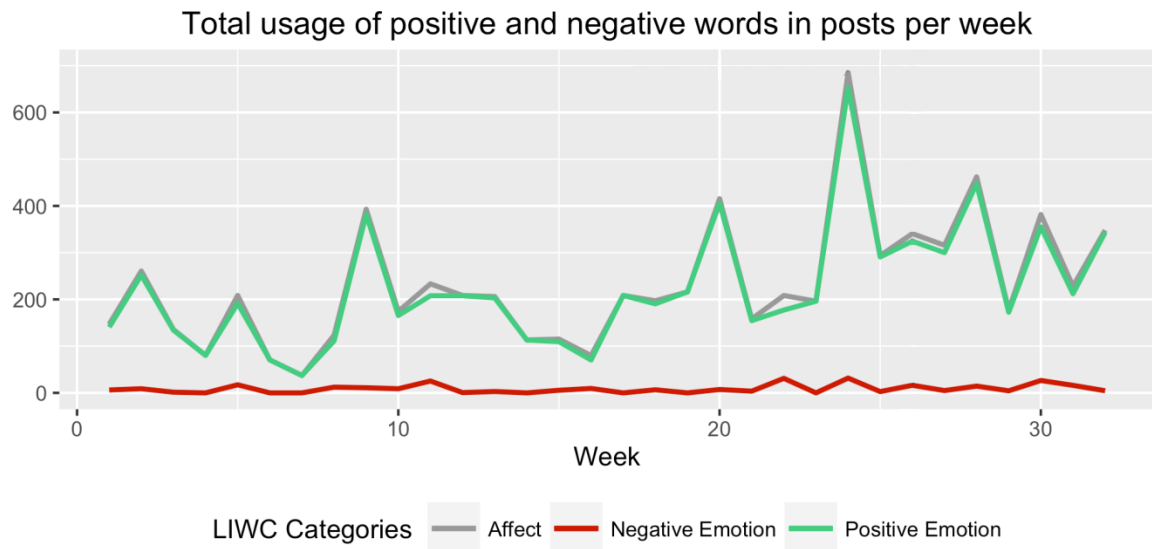
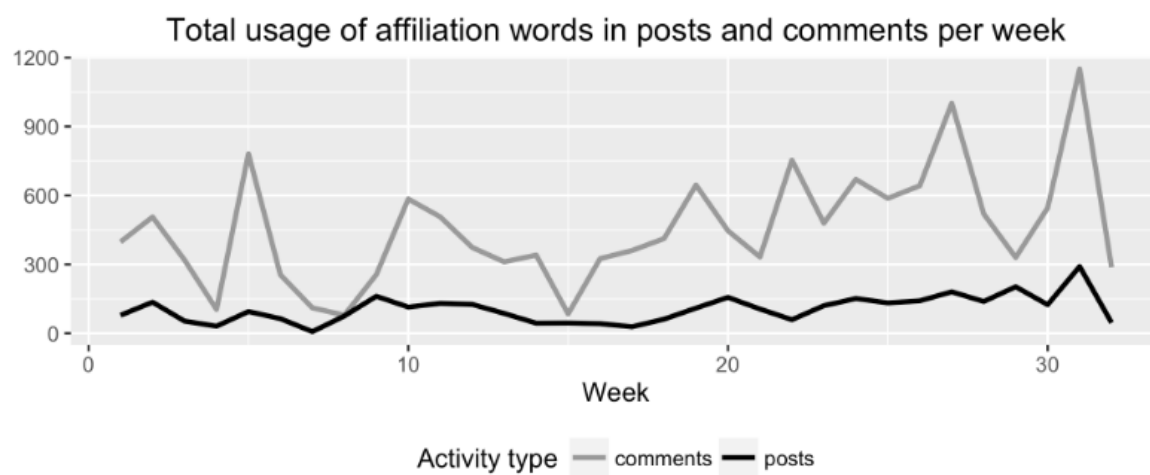


Figure 2. Variations in the use of pronoun 'we' in the JFH Facebook page in posts and comments from 31 March to 4 November 2015

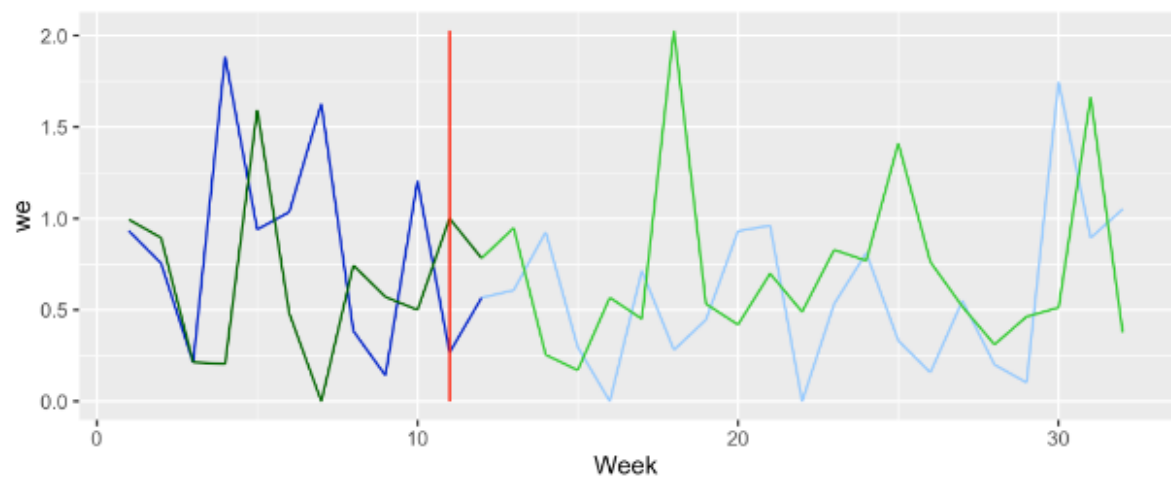
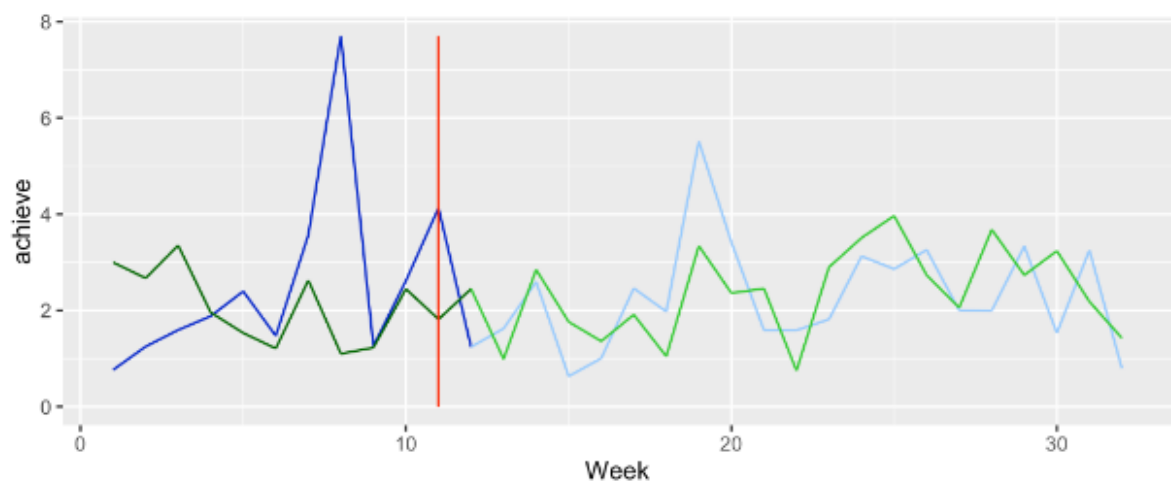
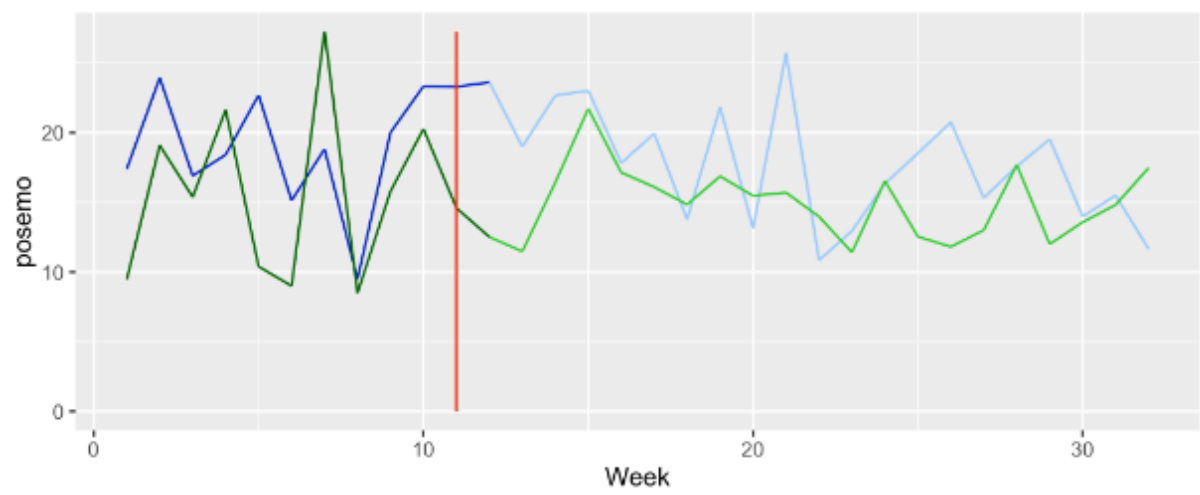


*Figure 3. Variation in the use of affect in JFH Facebook page in posts and comments from 31 March to 4 November 2015*



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





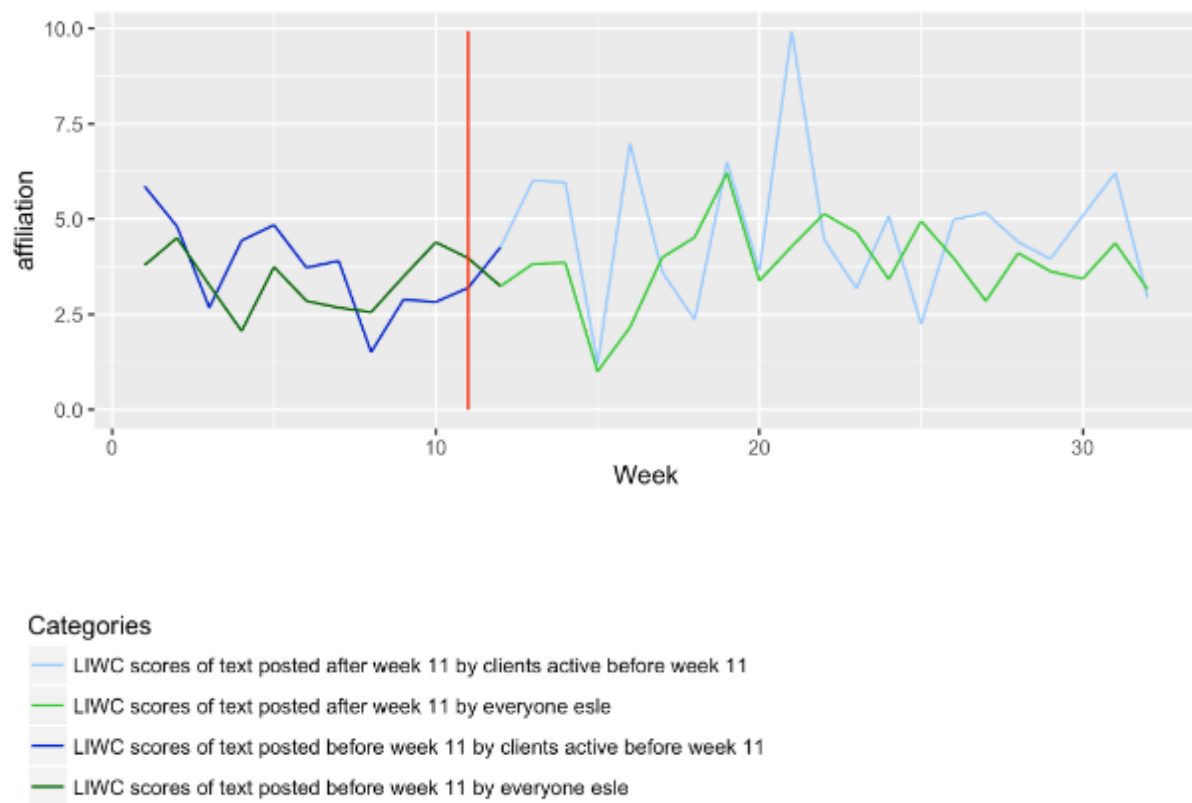


Figure 5. Variation in the use of LIWC categories in posts on the JFH Facebook page for each sub-group

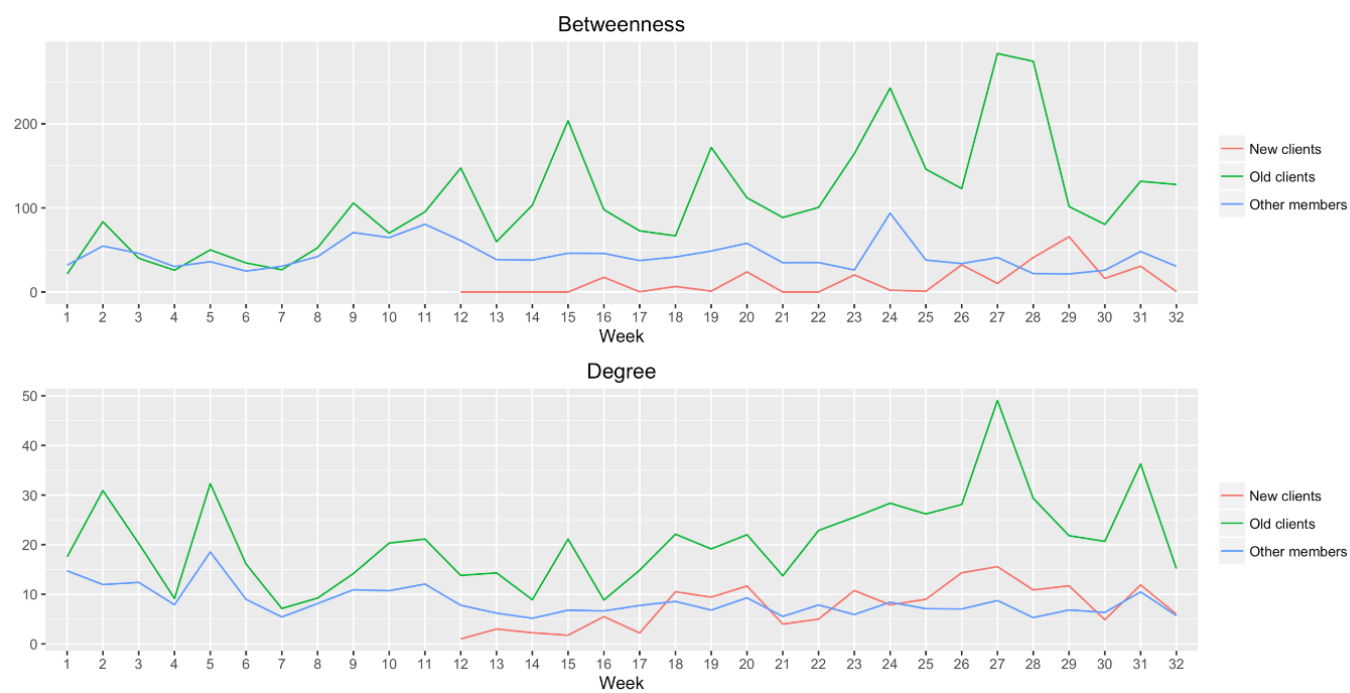


Figure 6. Variation in mean betweenness and degree scores for all members from week 1-32