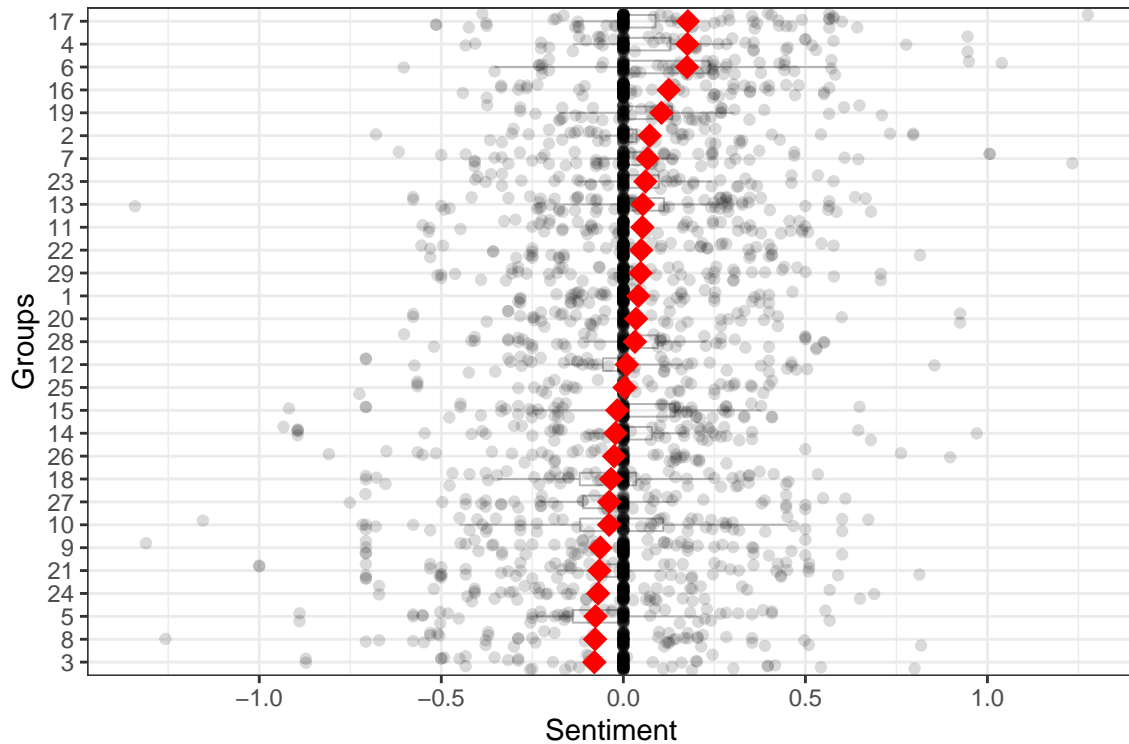# MA615 Assignment4 Task Three
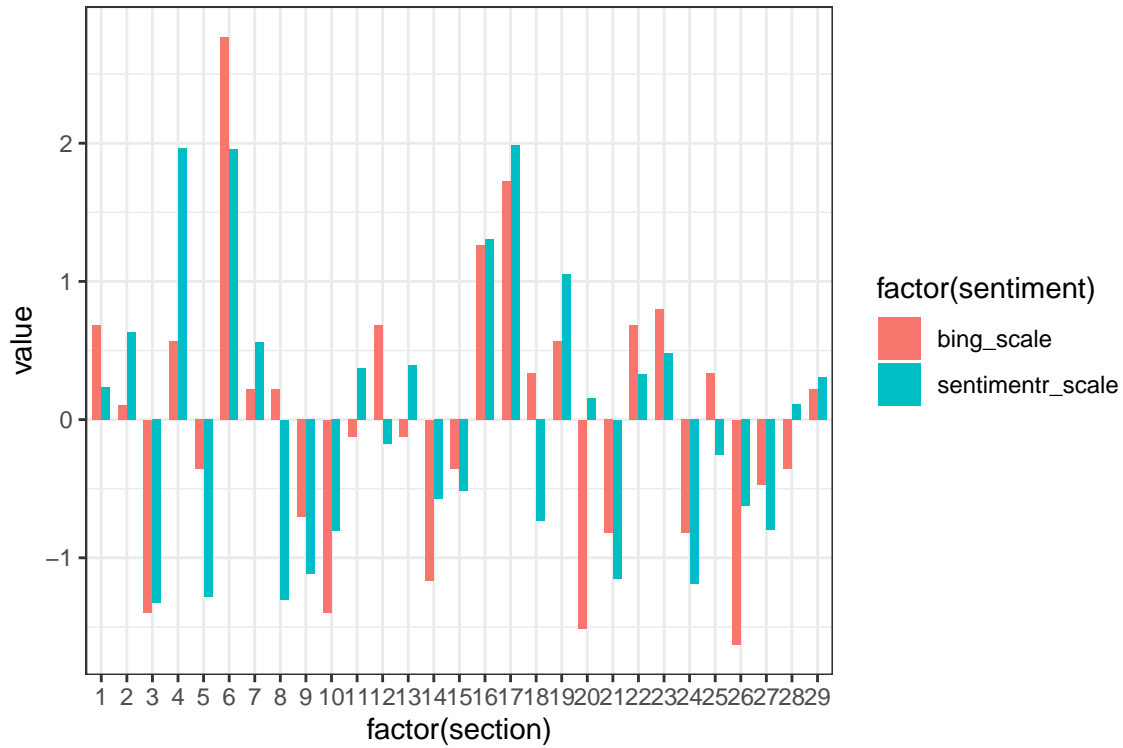
Yuyang Li

2021/12/8

Task three

First of all, I change my book into tnum form, and the content of my tnum database is shown as follow:

Secondly I use 'sentimentr' to get sentiment score group by these scores with section to get the average result. The plot sort the average sentiment score from high to low.

Compare the analysis result with Task two

Because the scale of scores of two methods are different, so I need to change them into one consistent scale using function, then I get the bar plot for two scores.

Extra credit of Task three: character analysis

As I mentioned in Task two, there are two main characters in this book, one is Granny Fox and other is Reddy. So I select them from my book and count their appeared frequency in each chapter. seeing the table I found in most of the chapter Granny appears more than Reddy.

section	granny	reddy
1	9	8
2	14	13
3	16	15
4	9	1
5	14	11
6	19	3
7	14	0
8	12	0
9	14	18
10	16	14
11	1	0
12	7	10
13	18	11
14	3	17
15	5	16
16	16	15
17	17	11
18	10	12
19	8	9
20	18	8

section	granny	reddy
21	14	13
22	12	13
23	7	6
24	14	13
25	14	11
26	6	10
27	8	8
28	8	7
29	12	17

section	paragraph	both_appear
1	3	1
1	5	1
2	3	1
2	5	1
2	6	2
2	8	1
2	11	1
2	13	1
3	3	1
3	8	1
3	16	1
3	17	1
3	21	1
5	7	1
6	8	2
9	3	1
9	6	1
9	9	1
9	21	2
10	6	2
10	8	1
12	3	1
12	7	2
12	8	1
13	6	1
13	13	1
13	14	1
13	16	1
13	18	2
14	6	1
15	14	1
16	8	1
16	10	1
16	13	1
16	14	1
17	3	1
17	5	2
17	10	1
17	15	1

section	paragraph	both_appear
18	5	1
18	7	1
18	9	1
18	14	1
19	5	1
19	6	2
19	7	2
19	9	1
19	11	1
20	5	1
20	6	2
20	7	1
20	8	1
21	1	1
21	5	1
21	6	1
21	8	1
21	9	1
22	18	1
22	20	1
22	21	1
23	6	1
23	8	1
23	12	1
24	5	1
24	12	1
24	16	1
25	5	2
25	6	1
25	7	1
25	8	1
25	14	2
25	17	1
26	5	1
26	7	1
26	10	1
26	12	1
27	10	1
27	11	1
29	7	1
29	13	1
29	16	1
29	17	1
29	20	1