

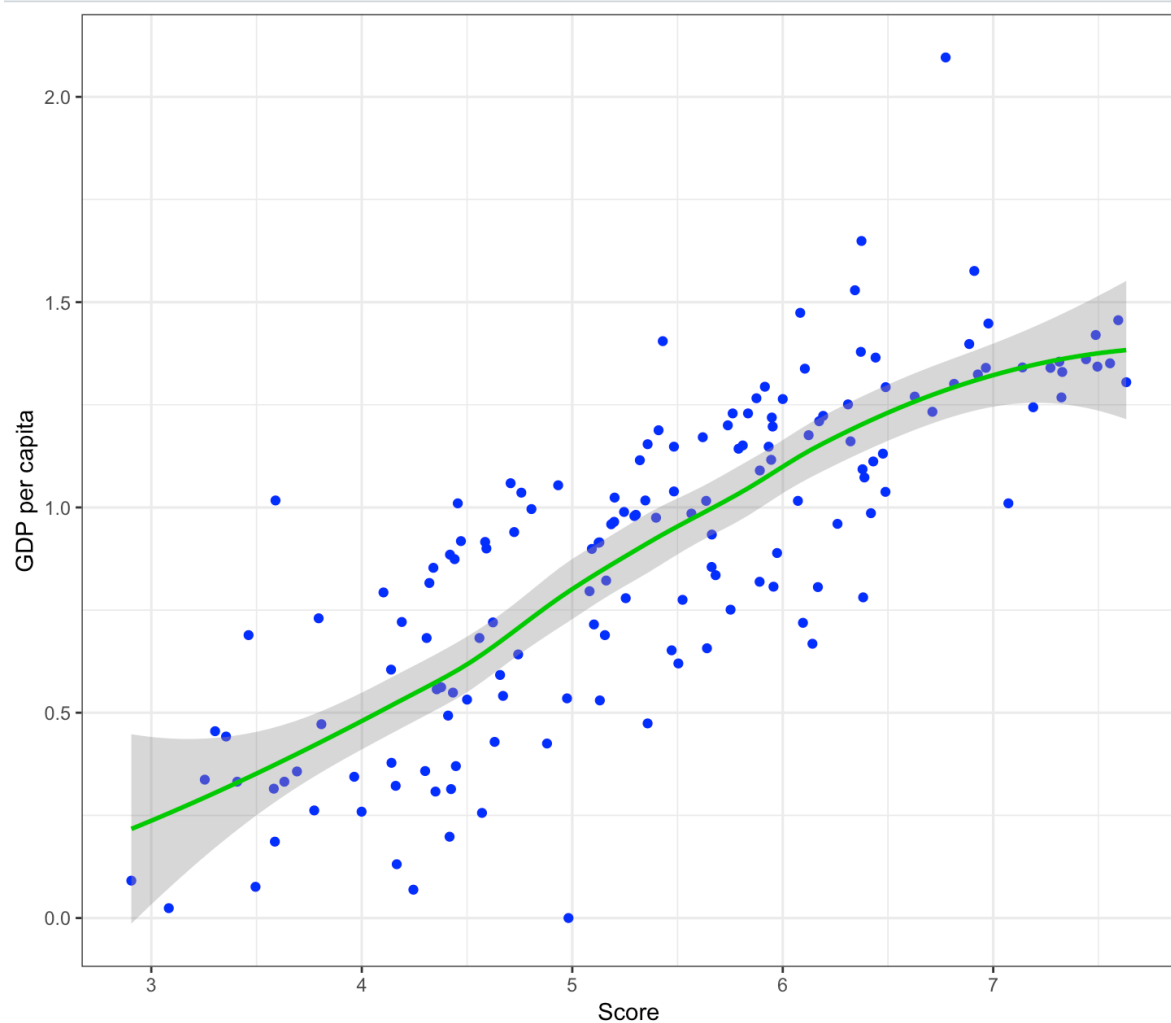
Problem 1

- Extract 2018 Happiness data from Wikipedia

```
> head(df, 10)
```

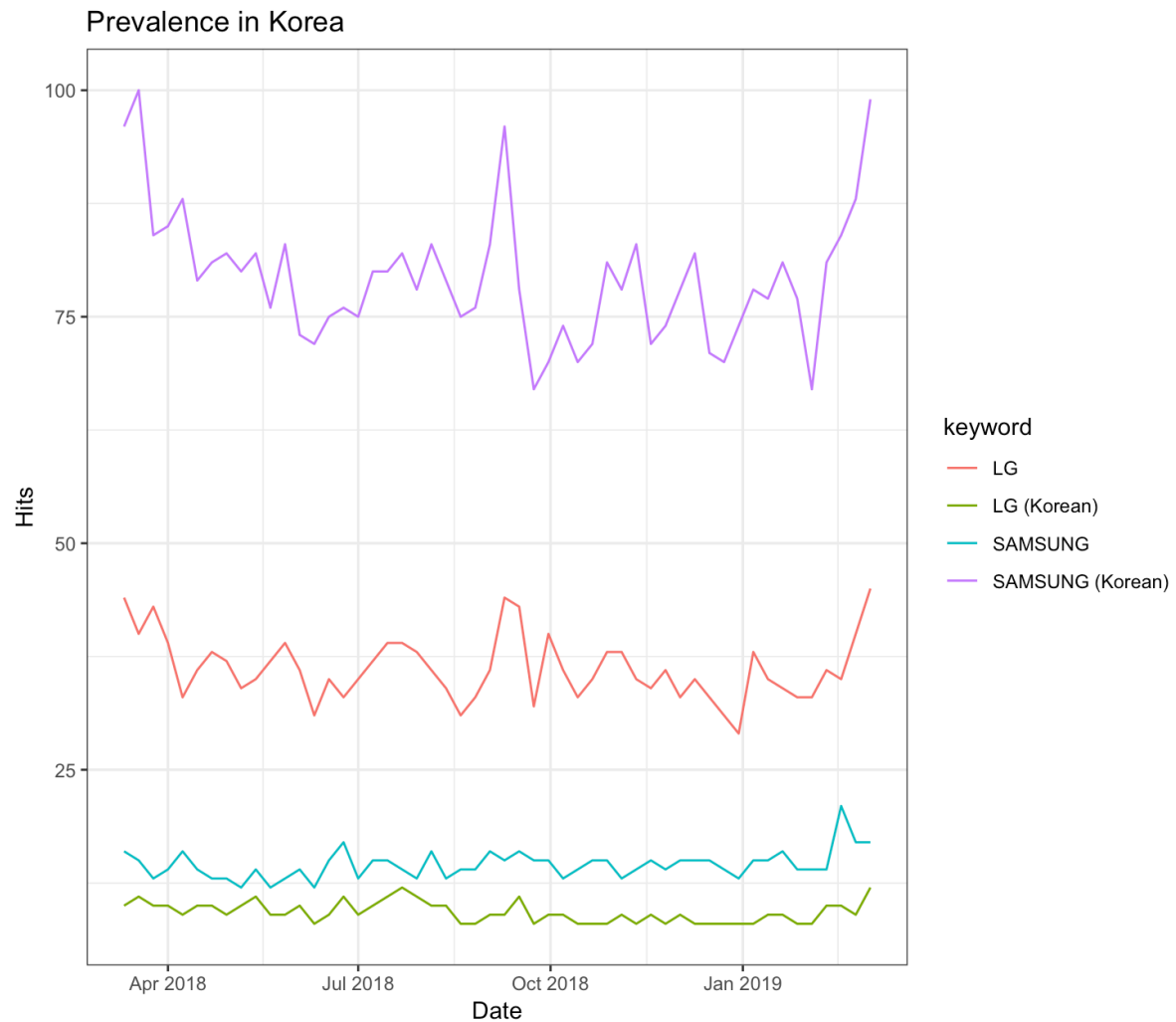
	Overall Rank	Country	Score	GDP per capita	Social support	Healthy life expectancy	Freedom to make life choices	Generosity	Perceptions of corruption
1	1	Finland	7.632	1.305	1.592	0.874	0.681	0.192	0.393
2	2	Norway	7.594	1.456	1.582	0.861	0.686	0.286	0.340
3	3	Denmark	7.555	1.351	1.590	0.868	0.683	0.284	0.408
4	4	Iceland	7.495	1.343	1.644	0.914	0.677	0.353	0.138
5	5	Switzerland	7.487	1.420	1.549	0.927	0.660	0.256	0.357
6	6	Netherlands	7.441	1.361	1.488	0.878	0.638	0.333	0.295
7	7	Canada	7.328	1.330	1.532	0.896	0.653	0.321	0.291
8	8	New Zealand	7.324	1.268	1.601	0.876	0.669	0.365	0.389
9	9	Sweden	7.314	1.355	1.501	0.913	0.659	0.285	0.383
10	10	Australia	7.272	1.340	1.573	0.910	0.647	0.361	0.302

- Plot "Score vs GDP per capita" with smooth 95% CIs



Problem 2

- Relative Prevalence of SAMSUNG, LG in Korea
 - LG (Korean), SAMSUNG(Korean) in the legend means that the keywords are given in Korean like "삼성", "엘지".
 - Note that people use the keyword "삼성" more frequently compared to SAMSUNG.
 - However, people use LG in English rather than "엘지"



- Relative Prevalence of SAMSUNG, LG in US

Prevalence in US

