Stat 480 HW05
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Exercise 1

Year	Minimum Temperature
1910	-34.96
1911	-36.04
1912	-41.98
1913	-34.96
1914	-36.04
1915	-41.98
1916	-20.02
1917	-54.04
1918	-49.0
1919	-45.04

The above table show the minium temperature in Fahrenheit degree corressponding to each year from 1910 to 1919. 1917 has the lowest temperature and 1916 has the relatively highest temperature.

Exercise 2

Year	Minimum Temperature	Maximum Temperature	Observation Number
1910	-34.96	84.92	7645
1911	-36.04	87.08	7624
1912	-41.98	89.96	7684
1913	-34.96	86.0	8735
1914	-36.04	91.94	8744
1915	-41.98	84.92	8747
1916	-20.02	82.04	2189
1917	-54.04	89.06	8744
1918	-49.0	89.96	8264
1919	-45.04	100.04	7651

According to the above table, the first column is for different year, Minimum Temperature is the lowest temperature in each year, as well as Maximum Temperature represents the highest temperature for 1910-1919, respectively. Plus, the Observation Number means the number of trusted temperature observations. All of the temperature is in the unit of Fahrenheit degree.

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Exercise 3

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Year   Temp_Count   Valid_Count
1910     7645          7650
1911     7624          7647
1912     7684          7684
1913     8735          8754
1914     8744          8747
1915     8747          8749
1916     2189          2189
1917     8744          8744
1918     8264          8287
1919     7651          7654
```

Based on the above table, Temp_Count makes count for total number of temperature observations that are not missing for each year from 1910 to 1919 and Valid_Count is the total number of observations with acceptable quality codes for each year from 1910 to 1919.