Problem Set 1

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Answers to questions

Question #1

- I am using the data set from Congo-Brazzaville.
- The survey includes information from 1200 respondents.
- The responses were collected between 2023-06-20 and 2023-07-17.

Question #2

The ages were between 18 and 85, with a mean of 37.73 and median of 35. The other characteristics of the respodants are in the table below.

Table 1: Descriptive Statistics Summary Table

Category	Variable	Count	Percentage
Gender	Man	599	49.92
Gender	Woman	601	50.08
Region	Bouenza	88	7.33
Region	Brazzaville	464	38.67
Region	Cuvette	48	4.00
Region	Cuvette Ouest	24	2.00
Region	Kouilou	32	2.67
Region	Lekoumou	32	2.67
Region	Likouala	40	3.33
Region	Niari	72	6.00
Region	Plateaux	56	4.67
Region	Pointe-Noire	240	20.00
Region	Pool	80	6.67
Region	Sangha	24	2.00
Location	Rural	360	30.00
Location	Urban	840	70.00
Language	Français	609	50.75
Language	Kituba	275	22.92
Language	Lari	15	1.25
Language	Lingala	248	20.67
Language	Other	25	2.08
Language	Teke	28	2.33

Question #3

Table 2: China Attitudes Frequency Table

Response	Count	Percentage
Very negative	159	13.25
Somewhat negative	94	7.83
Neither positive nor negative	107	8.92
Somewhat positive	424	35.33
Very positive	397	33.08
Don't know	19	1.58

Question #4

Table 3: USA Attitudes Frequency Table

Response	Count	Percentage
Very negative	122	10.17
Somewhat negative	140	11.67
Neither positive nor negative	301	25.08
Somewhat positive	392	32.67
Very positive	218	18.17
Don't know	27	2.25

Question #5

```
##
##  Paired t-test
##
## data:  df_clean$Q78A and df_clean$Q78B
## t = 8.8694, df = 1169, p-value < 2.2e-16
## alternative hypothesis: true mean difference is not equal to 0
## 95 percent confidence interval:
##  0.2369654 0.3715816
## sample estimates:
## mean difference
##       0.3042735
```