Computational Statistics and Probability

Assignment for Final Term

Spring: 2020-2021

Last Date of Submission: 13 April 2021 11:59 PM

File name should be your ID. Write your name and ID in every single page.

\*\*\* For the students of having ID (Odd-Odd [last two digits]), i.e. 1105-1211-1.

From your previously collected data of neighbors and relatives sort out 10 sample person using simple random sampling technique. Then

1. Estimate standard error of estimated mean number of height.
2. From the sample can we conclude that the average height of the population is 172 cm?
3. Find the correlation coefficient between height and weight.
4. Draw a regression line of height (x) and wight (y).
5. you think that year of schooling increase significantly with the increment of age?

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\*\*\* For the students of having ID (Odd-Even [last two digits]), i.e. 1105-1211-2.

From your previously collected data of neighbors and relatives sort out 11 sample person using simple random sampling technique. Then

1. Estimate standard error of estimated mean number of height.
2. From the sample can we conclude that the average height of the population is 170 cm?
3. Find the correlation coefficient between height and weight.
4. Draw a regression line of height (x) and wight (y).
5. Do you think that year of schooling increase significantly with the increment of age ?

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\*\*\* For the students of having ID (Even-Odd [last two digits]), i.e. 1105-1212-1.

From your previously collected data of neighbors and relatives sort out 12 sample person using simple random sampling technique. Then

1. Estimate standard error of estimated mean number of height.
2. From the sample can we conclude that the average height of the population is 171 cm?
3. Find the correlation coefficient between height and weight.
4. Draw a regression line of height (x) and wight (y).
5. Do you think that year of schooling increase significantly with the increment of age ?

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From your previously collected data of neighbors and relatives sort out 13 sample person using simple random sampling technique. Then

1. Estimate standard error of estimated mean number of height.
2. From the sample can we conclude that the average height of the population is 173cm?
3. Find the correlation coefficient between height and weight.
4. Draw a regression line of height (x) and wight (y).
5. Do you think that year of schooling increase significantly with the increment of age ?