

Practice Quiz - Parallelism in Apache Spark

Pregunta 1:

1. What is the advantage of median over mean?

- ☒ Median is more outlier resistant. Odd values influence median less than mean.
- ☐ Mean is more outlier resistant. Odd values influence mean less than median.

Pregunta 2:

2. What is the mean of the following list?

1,2,4,5,34,1,32,4,34,2,1,3

Please use a decimal point instead of a comma

10.25

Pregunta 3:

3. What is the median of the following list?

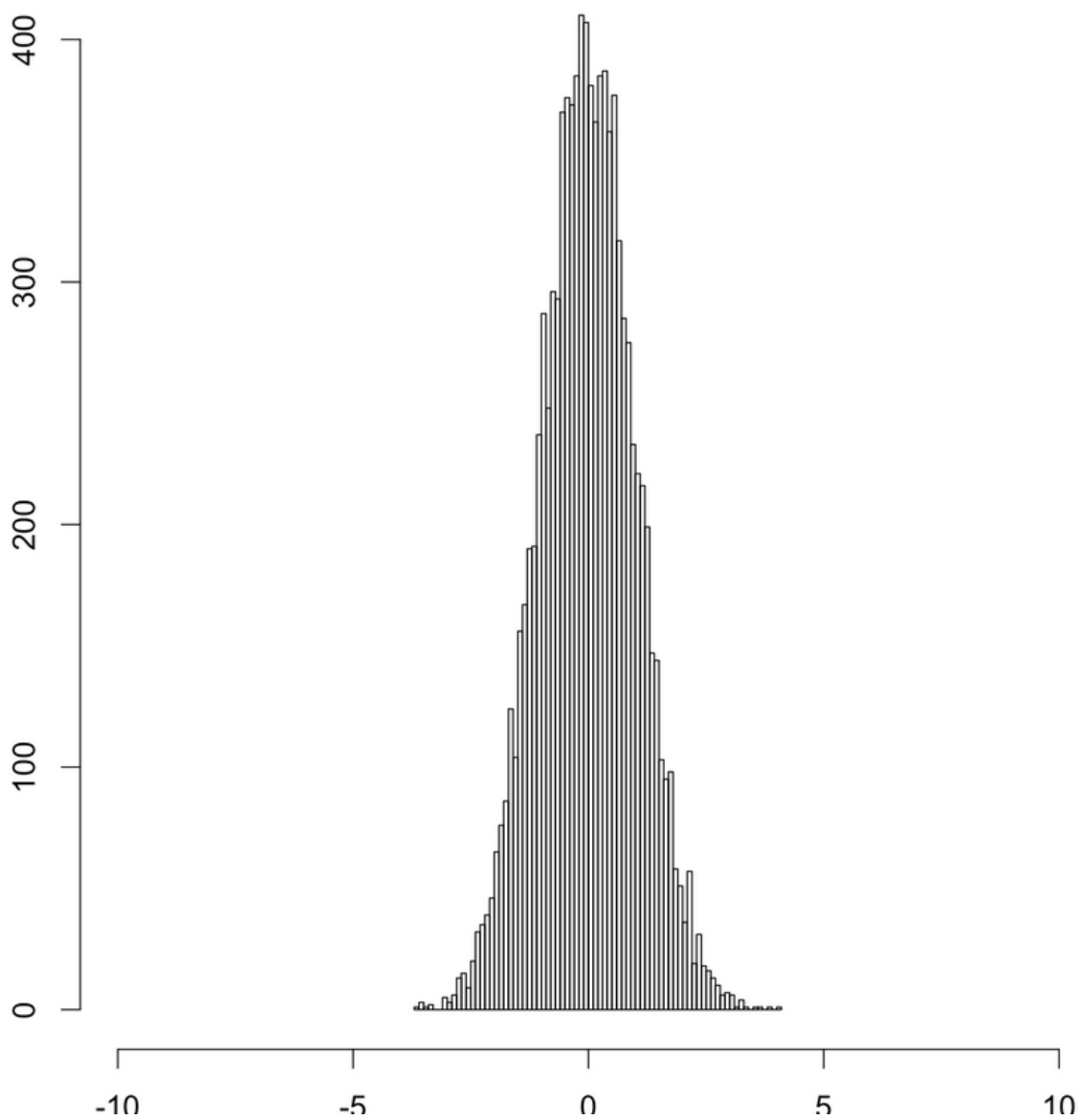
1,2,4,5,34,1,32,4,34,2,1,3

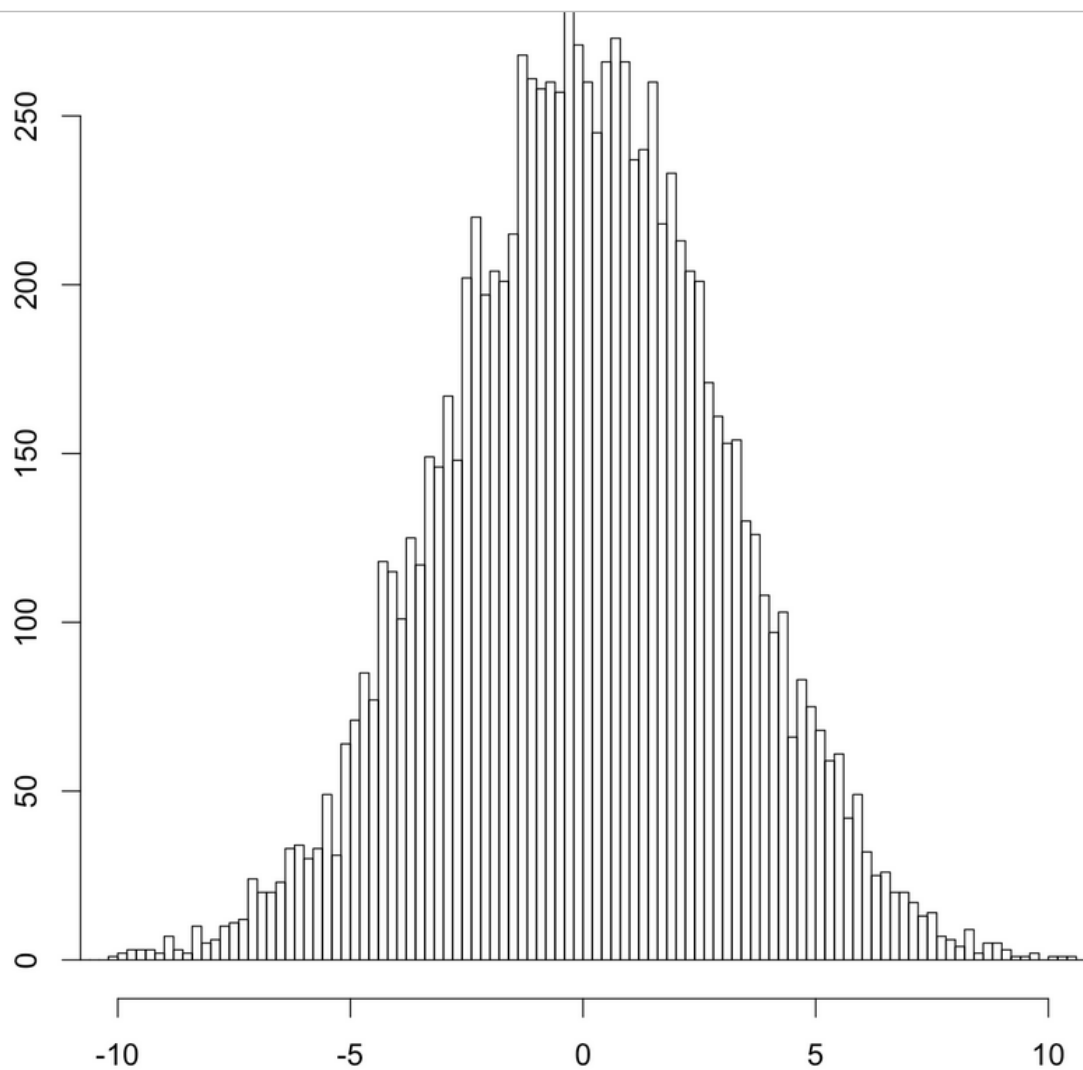
Please use a decimal point instead of a comma

3.5

Pregunta 4:

4. Which of the following two plots has a higher standard deviation?





Plot 2

☐ Plot 1

☒ Plot 2

Pregunta 5:

5. What is the standard deviation of the following list?

34,1,23,4,3,3,12,4,3,1

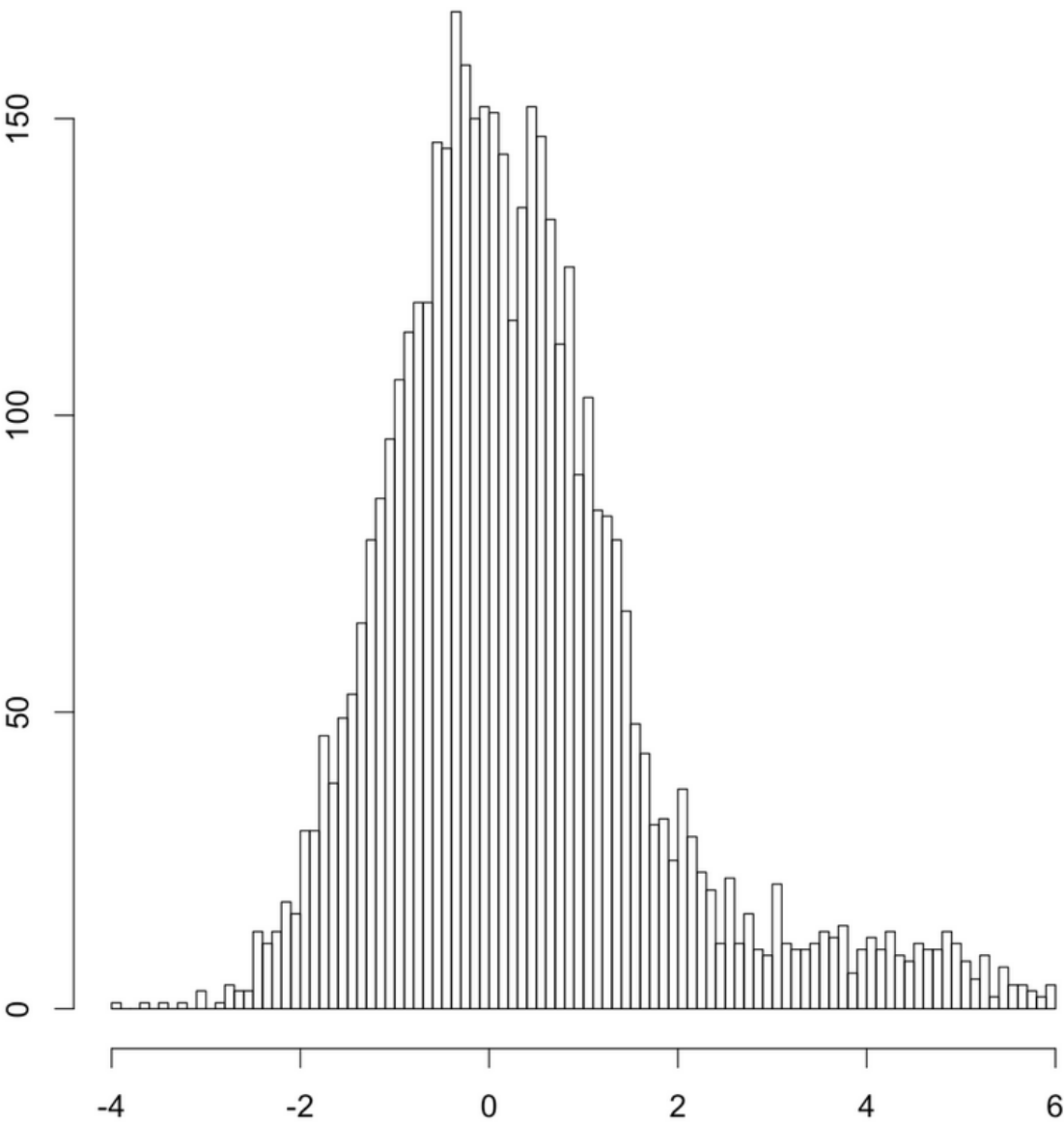
Please enter at least 3 digits after the decimal

Please use a decimal point instead of a comma

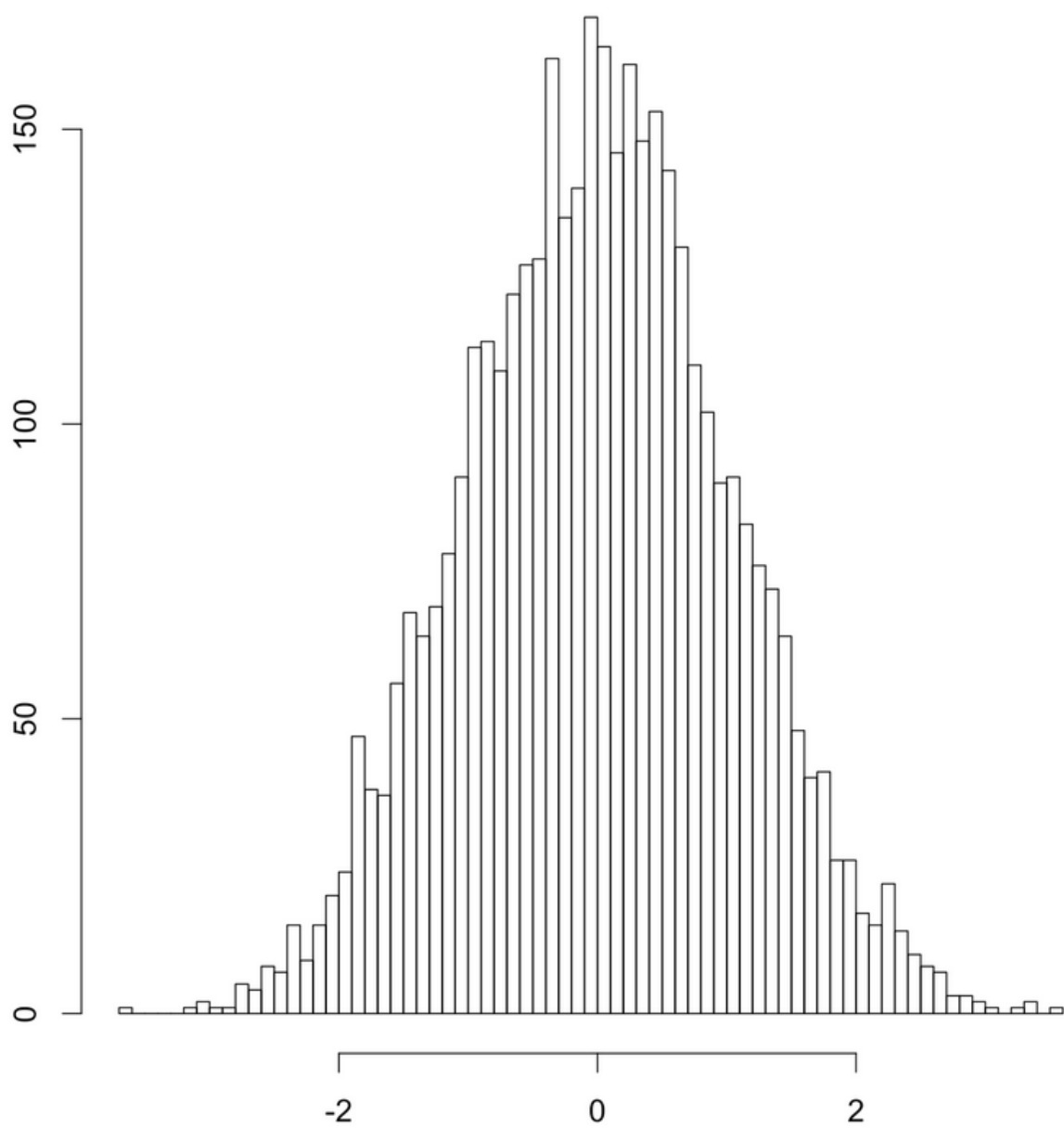
10.56

Pregunta 6:

6.



Plot 1



Plot 2

Which of the two plots indicates a higher kurtosis value?

- ☒ Plot 1
- ☐ Plot 2

Pregunta 7:

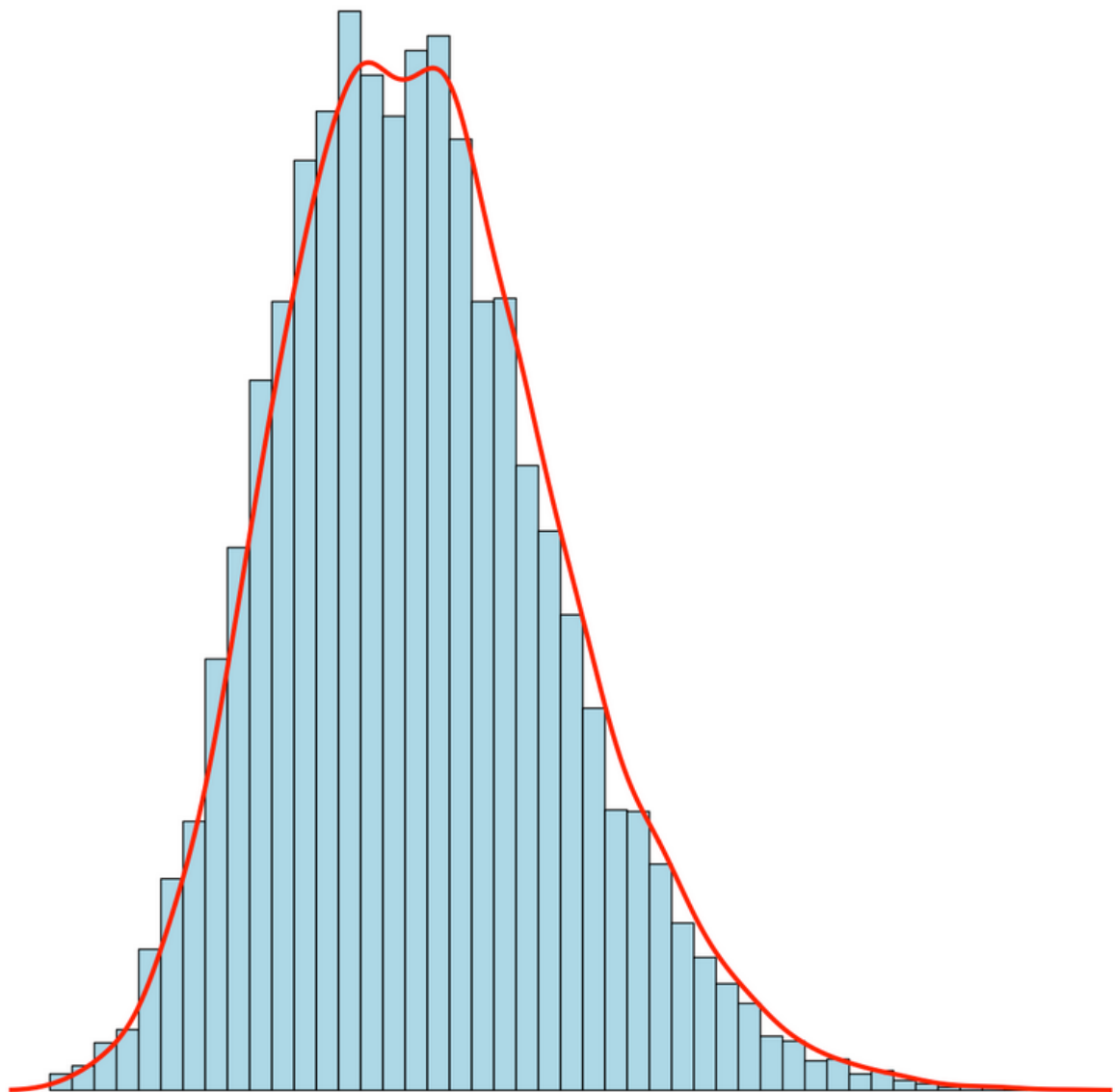
7. What is the kurtosis of the following list?

34,1,23,4,3,3,12,4,3,1

Please enter at least three digits after the decimal

2.13

Pregunta 8:



What is true about this value distribution?

- ☒ This distribution is positively skewed
- ☐ This distribution is negatively skewed

Pregunta 9:

9. What is the correlation between the two lists?

1,2,3,4,5,6,7,8,9,10

7,6,5,4,5,6,7,8,9,10

Please enter at least three digits after the decimal

0.709

Pregunta 10:

10. What is the covariance between the two lists?

1,2,3,4,5,6,7,8,9,10

7,6,5,4,5,6,7,8,9,10

Please enter at least three digits after the decimal

3.650

Pregunta 11:

11. The correlation between the following two lists is zero, can you explain why?

1,2,3,4,5,6,7

7,6,5,4,5,6,7

- ☒ Correlation of 1st half of the list is negative and between the last half of the list is positive so they cancel out
- ☐ The second list is totally random with respect to the first list, therefore they don't correlate at all