Q1. What is the mean birth weight for babies of non-smoking mothers?

Q2. What is the mean birth weight for babies of smoking mothers?

Q3. What is the mean head circumference for babies of non-smoking mothers?

Q4. What is the mean gestational age at birth for babies of smoking mothers?

Q5. What is the maximum head circumference for babies of non-smoking mothers?

Q6. What is the minimum gestational age at birth for babies of smoking mothers?

Q7. Based on the dataset you have, out of the two, which one would be a better bet:

* Pregnancy period in smoking mothers is shorter
* Pregnancy period in non-smoking mothers is shorter

Q8. Justify the above choice in a few words.

Q9. What is the baby birth weight range for babies of smoking mothers?

Q10. In your own words describe what the value of the above range for baby's birthweight tells us about smoking versus non-smoking mothers?

Q11. Are head circumference data for babies of smoking mothers normally distributed?

Q12. What is the significance value for the above on the Shapiro-Wilk test?

Q13. What is the standard score (Z-score) for head circumference of 35.05 (X=35.05) in non-smoking mothers?

Q14. How are birth weight data of non-smoking mothers skewed?

Q15. Are birth weight data for babies of smoking mothers normally distributed?

Q16. What is the significance value for the above on the Shapiro-Wilk test?

Q17. Based on the dataset you have, how confident can you be in saying that a baby's birth weight will be +/- 1 standard deviation from the mean?

Q18. Based on the dataset you have, what is the probability that the birth weight for a baby of a smoking mother will be less than 4.2 kg?

Q19. Are data for length of baby of non-smoking mothers normally distributed?

Q20. What is the significance value for the above on the Shapiro-Wilk test?

Q21. What is the standard score for the length of a baby of 48.5cm for non-smoking mothers?

Q22. Based on the dataset you have, what is the probability that the length of baby for non-smoking mothers will be more than 55 cm?