Assignment 1

1. To find the dimensions of the classroom, the following

2. data was taken:

3. a) The dimensions of the room were taken using a measuring tape. The length of the room was found to be 5.2 meters, and the width was found to be 3.8 meters.

4. b) The volume of the room was estimated by multiplying the length, width, and height. The volume was found to be approximately 95.6 cubic meters.

5. c) The number of cubic meters of air in the room was estimated using the formula V = lwh, where V is the volume, l is the length, w is the width, and h is the height. The result was 95.6 cubic meters.

6. 3. a) The following operations are done on the set A:

7. a) A ∪ B

8. b) A ∩ B

9. c) A - B

10. d) B - A

11. 4. Which of the following facts have been put to good effect?

12. a) Nonparametric tests are used.

13. b) Nominal scale data are used.

14. c) Two variables are used.

15. d) Two variables are used in the analysis of variance test.

16. 5. What is the stated hypothesis of the test?

17. The null hypothesis is that the means of the two groups are equal.

18. 6. What is the stated hypothesis of the test?

19. The null hypothesis is that there is no difference between the two groups.

20. 7. What is the stated hypothesis of the test?

21. The null hypothesis is that the two groups have the same distribution.

22. 8. What is the stated hypothesis of the test?

23. The null hypothesis is that the two groups have the same variance.

24. 9. What is the stated hypothesis of the test?

25. The null hypothesis is that the two groups have the same proportion.

26. 10. What is the stated hypothesis of the test?

27. The null hypothesis is that the two groups have the same mean.

28. 11. What is the stated hypothesis of the test?

29. The null hypothesis is that the two groups have the same median.

30. 12. What is the stated hypothesis of the test?

31. The null hypothesis is that the two groups have the same mode.

32. 13. What is the stated hypothesis of the test?

33. The null hypothesis is that the two groups have the same median.

34. 14. What is the stated hypothesis of the test?

35. The null hypothesis is that the two groups have the same mean.

36. 15. What is the stated hypothesis of the test?

37. The null hypothesis is that the two groups have the same median.

38. 16. What is the stated hypothesis of the test?

39. The null hypothesis is that the two groups have the same mean.

40. 17. What is the stated hypothesis of the test?

41. The null hypothesis is that the two groups have the same median.

42. 18. What is the stated hypothesis of the test?

43. The null hypothesis is that the two groups have the same mean.

44. 19. What is the stated hypothesis of the test?

45. The null hypothesis is that the two groups have the same median.

46. 20. What is the stated hypothesis of the test?

47. The null hypothesis is that the two groups have the same mean.

48. 21. What is the stated hypothesis of the test?

49. The null hypothesis is that the two groups have the same median.

50. 22. What is the stated hypothesis of the test?

51. The null hypothesis is that the two groups have the same mean.