Week 1 Assignment 1

1. A group consists of 15% parents and 85% non-parents. If the median is 1000, find the median position of this group.

2. A group consists of 25% adults and 75% children. If the mean is 30 and the median is 25, find the distribution of ages.

3. A group consists of 30% males and 70% females. If the mean is 20 and the median is 15, find the distribution of ages.

4. A group consists of 40% left-handed and 60% right-handed. If the mean is 40 and the median is 30, find the distribution of ages.

5. A group consists of 35% smokers and 65% non-smokers. If the mean is 20 and the median is 15, find the distribution of ages.

6. A group consists of 20% workers and 80% non-workers. If the mean is 30 and the median is 25, find the distribution of ages.

7. A group consists of 45% students and 55% non-students. If the mean is 20 and the median is 15, find the distribution of ages.

8. A group consists of 30% managers and 70% non-managers. If the mean is 40 and the median is 30, find the distribution of ages.

9. Following the regression of the group with a coefficient of determination R² = 0.8, find the mean and median of the group.

10. It is observed that a group has a coefficient of determination R² = 0.9, find the mean and median of the group.

11. A group consists of 50% left-handed and 50% right-handed. If the mean is 40 and the median is 30, find the distribution of ages.

12. A group consists of 60% smokers and 40% non-smokers. If the mean is 20 and the median is 15, find the distribution of ages.

13. A group consists of 70% workers and 30% non-workers. If the mean is 30 and the median is 25, find the distribution of ages.

14. A group consists of 80% students and 20% non-students. If the mean is 20 and the median is 15, find the distribution of ages.

15. A group consists of 90% managers and 10% non-managers. If the mean is 40 and the median is 30, find the distribution of ages.

16. A group consists of 65% left-handed and 35% right-handed. If the mean is 40 and the median is 30, find the distribution of ages.

17. A group consists of 85% workers and 15% non-workers. If the mean is 30 and the median is 25, find the distribution of ages.

18. A group consists of 95% students and 5% non-students. If the mean is 20 and the median is 15, find the distribution of ages.