CS-251 Probability and Statistics Lab

LIST OF EXPERIMENTS	PERIODS
1. Graphical representation of data a) Bar plot b)Frequency polygon	3
2. Graphical representation of data a) Histogram b)Pie chart c) Scatter plot	3
3. Measures of central tendency a) Mean b)Median c)Mode	3
4. Measures of central tendency a)Geometric Mean e)Harmonic Mean	3
5. Measures of dispersion a)Range b)Quartile deviation	3
6. Measures of dispersion a)Mean deviation b)Standard deviation	3
7. Goodness of fit a) Binomial b)Poisson	3
8. Goodness of fit a)Normal b)Contingency table	3
9. Parametric tests a) t-test for one-mean b) t-test for two means	3
10. Parametric tests a) paired t-test b) F-test	3
11. Non-parametric tests a) Wilcoxon-Signed rank test (one sample) b) Wilcoxon-Signed rank test (Paired samples) c) Mann-Whitney test (Two samples)	3
12. Non-parametric tests a) Kolmogorov-Smirnov test (One sample) b) Kolmogorov-Smirnov test (Two samples)	3
13. Time series a) Trend line b)Non-linear trend line	3
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