**Ankara Üniversitesi**

**Kütüphane ve Dokümantasyon Daire Başkanlığı**

**Açık Ders Malzemeleri**

### Çalışma Planı (Schedule)

| **Haftalar**  **(Weeks)** | **Haftalık Konu Başlıkları**  **(Topic title)** |
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| 1.Hafta  (Week 1) | Course content, Evaluation Scheme, References, Goals of the lecture, Introduction to Biostatistics |
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| 2.Hafta  (Week 2) | * **Summarizing data: Tables and Diagrams** |
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| 3.Hafta  (Week 3) | Summarizing data: Numerical Measures |
| * Measures of Central Tendency: Mean, Median, Mode |
| * Measures of Dispersion: Standard Deviation, Variance, Coefficient of Variation, Range |
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| 4.Hafta  (Week 4) | Probability Distributions: Discrete Distributions |
| * Random Variable, Probability |
| * Binomial Distribution |
| * Poisson Distribution |
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| 5.Hafta  (Week 5) | Probability Distributions: Continuous Distributions |
| * Normal Distribution |
| * Standard Normal Dsitribution |
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| 6.Hafta  (Week 6) | Population and Sample |
| * Sampling Error |
| * Standard Error of Mean |
| * Confidence Intervals |
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| 7.Hafta  (Week 7) | An introduction to SPSS |
| * Data entry |
| * Describing variables |
| * Data importing |
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| 8.hafta  (Week 8) | Introduction to hypothesis testing |
| * Establishing hypothesis |
| * Type 1 and Type 2 Errors |
| * P value |
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| 9.Hafta  (Week 9) | Comparing two independent means |
| * Student t test |
| * Mann Whitney U test |
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| 10.Hafta  (Week 10) | **Comparing two dependent means** |
| * Paired sample t test |
| * Wilcoxon test |
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| 11.Hafta  (Week 11) | Comparing several independent means |
| * One way ANOVA |
| * Kruskal Wallis Test |
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| 12.Hafta  (Week 12) | Comparing proportions |
| * Chi-aquare test |
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| 13.Hafta  (Week 13) | Simple Correlation Analysis |
| * Pearson’s correlation coefficient |
| * Spearman Rank Correlation Coefficient |
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| 14.Hafta  (Week 14) | Simple Regression Analysis |
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