**Ankara Üniversitesi**

**Kütüphane ve Dokümantasyon Daire Başkanlığı**

**Açık Ders Malzemeleri**

### Çalışma Planı (Schedule)

| **Haftalar****(Weeks)** | **Haftalık Konu Başlıkları** **(Topic title)** |
| --- | --- |
| 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
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| * 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
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| * Standard Normal Dsitribution
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| 6.Hafta(Week 6) | Population and Sample |
| * Sampling Error
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| * Standard Error of Mean
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| * Confidence Intervals
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| 7.Hafta(Week 7) | An introduction to SPSS |
| * Data entry
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| * Describing variables
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| * Data importing
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| 8.hafta(Week 8) | Introduction to hypothesis testing |
| * Establishing hypothesis
 |
| * Type 1 and Type 2 Errors
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| * 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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