



جامعة بنها



الهيئة القومية لضمان
جودة التعليم والإعتماد



قسم تنمية الثروة الحيوانية

عناوين الأبحاث الخاصة بمادة الأحصاء الحيوي Bios للفرقة الأولى من البرنامج العام

1	Data levels and measurement
2	Branches or division of statistics
3	Population and sample
4	Variables and type of data
5	Data collection and sampling technique
6	Types of statistical studies
7	Basic types of statistical studies
8	Definition of statistics and branches of statistics
9	Comparison between different sampling technique
10	The categorical frequency distribution with an example
11	The ungrouped frequency distribution with an example
12	The grouped frequency distribution with an example
13	Class midpoint, relative frequency and cumulative frequency (ascending and descending).
14	Histogram graph (Frequency histogram) with an example
15	Cumulative frequency graph or the ogive with an example
16	Frequency polygon with an example
17	Pareto chart with an example.
18	Time series graph with an example
19	Pie graph with an example
20	Measures of central tendency
21	The Mean
22	The Median
23	The Mode
24	The Measures of variation
25	The Range
26	The Mean Deviation
27	The Variance
28	The Standard deviation and standard error
29	The Coefficient of variation
30	The Binomial probability distribution
31	The Poisson probability distribution



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33	The standard normal probability distribution
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34	Probabilities of normal distribution (area under the standard curve from zero to Z)
35	The basic principles of hypothesis testing
36	Types of statistical experimental errors
37	Power of a statistical hypothesis test
38	Significance level of a statistical hypothesis test
39	Test Statistic and P- value
40	Critical values for a hypothesis test
41	Procedure of hypothesis testing
42	Comparison between paired sample (paired t test)
43	Analysis of independent sample experiment (t test)
44	Comparison between two samples (t test)
45	One-Way Classification with Completely Randomized Design (CRD)
46	Simple linear regression
47	Simple linear correlation
48	Comparison between correlation coefficient and regression coefficient
49	Chi-square test
50	Assumption of Chi-square test