**Research Methodology and Practical Biostatistics Using SPSS**

Homework for day 2

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| **1.**Results from a case control study

|  |  |  |  |
| --- | --- | --- | --- |
|  |  | Risk |  |
|  |  | Present | Absent | Total |
| Disease | Present | 600 | 400 | 1000 |
| Absent | 250 | 1750 | 2000 |
|  | Total | 650 | 2350 | 3000 |

Questions1. Calculate the Odds Ratio (OR)
2. The 95 % confidence interval for this study is calculated as **[8,73 – 12,60]**. Please interpret this finding
3. What would be your comment if the 95%CI would be **[0,02-12,60]** ?
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| **2.**Using the SPSS data set “diabetes.sav” please check the following hypothesis:“H0: There is no statistically significant difference in the weight between males and females” |
| **3.** Give the 95% confidence interval for the above question and comment on it. |