

Lab Exercise 11

1)

In Lab Exercise 7 you extracted a CSV of cancer cases by state from the PDF file **cancer_facts.pdf**. Use this dataset again to test if different states are significantly associated with different types of cancer. Use both chi-squared test and Fisher's exact test with multiple testing correction. Display all the significant associations sorted by the Risk Ratio (you can sort by $\max\{RR, \frac{1}{RR}\}$ in descending order; why not simply by RR ?).

Suppose that for the (*Melanoma of the Skin, Texas*) association you obtained $RR = 0.66$. Does it mean that people in Texas are only 66% as likely to develop melanoma compared to other US states?