

Stat 696, Example Application of **knitr**

YOUR NAME

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The *insert reason here. e.g. skewness* of growth rate suggested a log transformation. However, growth rate contains some negative values as well as some zero values. For this reason, we used the following modified log transformation:

$$\log(\text{growth rate}) = \begin{cases} \log(\text{growthrate} + 0.15) & \text{if growth rate} > 0 \\ -\log(-\text{growthrate} + 0.15) & \text{if growth rate} < 0. \end{cases}$$

Note that since this is a one-to-one transformation ...