Micro Teaching Session

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1 Script

This is my script for the *Micro-teaching recitation presentation* on Monday, October 3, 2016. I have attached a sample 15-minute quiz at the end of this script.

1.1 A review of l'Hôpital's rule

Suppose we are trying to analyze the behavior of the function

$$F(x) = \frac{\ln x}{x - 1}.$$

Although F is not defined when $x = 1$, we need to know how F behaves *near* 1. In particular, we would like to evaluate

$$\lim_{x \to 1} \frac{\ln x}{x - 1}. \tag{1}$$

In computing this limit, we cannot proceed with the typical strategy which is to compute the

1.2 Homework Solutions

1.3   Sample Quiz