**Exercises: 6.2 and 6.5 6235 (Wk 3)**

The following exercises are required and cover topics in this week's required reading*.* Review the instructions carefully before completing and submitting the exercises.

Complete Exercises 6.2 and 6.5 on pages 156 and 158 in *Quantitative Methods in Health Care Management*. Use the Excel document below to record your answers. Save the template to your desktop before using.

[Excel template for Exercises 6.2 and 6.5](https://class.waldenu.edu/bbcswebdav/institution/USW1/201540_02/MS_MMHA/MMHA_6235/Week%203/Exercises/Week%203%20Exercises/embedded/Ex._6.2_6.5_templates.xls)

**Page 156- Exercise 6.2**

Pre- and post-examination processing of patients in an outpatient clinic involves various tasks performed by clerks and nurses. A time study conducted by the decision support department is shown in Table ex 6.2.

1. Determine the observed time for the pre-post exam process.
2. Determine the normal time for the pre-post exam process.
3. Determine the standard time for the pre-post exam process, using the basic-moderate allowance for the job.
4. Calculate the standard time for the exam process. Do you think the time spent in the outpatient clinic, without including the exam time, is reasonable? If not, what improvements would you recommend?

**Page 158-Exercise 6.5**

An initial work sampling survey to estimate the percentage of time that MRI equipment is idle between 8:00 am and 8:00pm, found that the MRI was idle in 9 of the 120 observations.

1. Determine the percentage of idle time.
2. From the initial results, approximately how many observations would it require to estimate the actual percentage of idle time to within 4 percent, with confidence o 95 percent?