

HOW DO WE FORECAST ENROLLMENT?

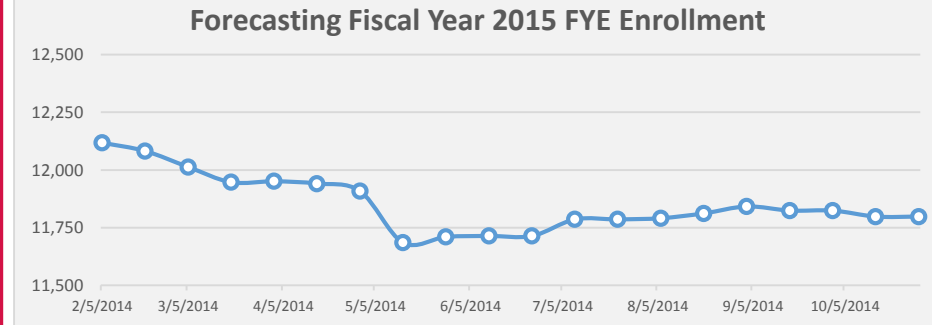
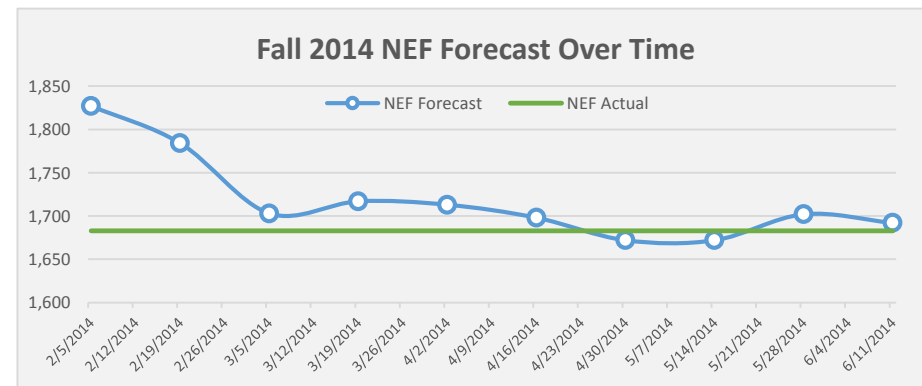
Forecasting NEF Headcount

Several statistical models are used, including logistic regression and decision trees to create a probability that a student will enroll at SCSU. By summing these probabilities, we can estimate the expected NEF enrollment. Below are the factors included in these models.

- How far is the student's home address from St. Cloud State?
- What is the student's high school class percentage?
- When did the student apply for admission?
- Is the student in the ACE program?
- Has the student submitted the FAFSA?
- Has the student submitted an on-campus housing application?
- Has the student signed-up for their Advising & Registration Day?

How Did We Do?

The initial forecast on February 5, 2014 for Fall 2014 NEF overestimated enrollment, but by March 2014 had stabilized and remained within 2% of the eventual 30th day enrollment of 1,683.



Forecasting FYE Enrollment

To generate an FYE forecast, we use a model that estimates the headcount enrollment for different categories of students, as shown below. By estimating persistence rates, this model is able to translate current student enrollment into future semester enrollment. We use historical credit-taking behavior to convert the headcount forecasts to FYE.

- NEF students
- NET students
- Freshmen
- Sophomores
- Juniors
- Seniors
- Previous degree students
- Dual enrollment (Senior-to-Sophomore & PSEO)
- Special students
- Graduate students
- Summer enrollment

How Are We Doing?

Similar to NEF, our February 2014 forecast overestimated FYE enrollment. After adjusting for an unanticipated decline in summer enrollment in early May, the model stabilized and our current forecast for fiscal year 2015 is 11,798 FYE. The graph above displays our enrollment forecasts since February.