

Case Study

Forecasting Attendance at SWU Football Games

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Southwestern University (SWU), a large state college in Stephenville, Texas, 30 miles southwest of the Dallas/Fort Worth metropolis, enrolls close to 20,000 students. In a typical town-gown relationship, the school is a dominant force in the small city, with more students during fall and spring than permanent residents.

A longtime football powerhouse, SWU is a member of the Big Eleven conference and is usually in the top 20 in college football rankings. To bolster its chances of reaching the elusive and long-desired number-one ranking, in 2005 SWU hired the legendary Bo Pitterno as its head coach. Although the number-one ranking remained out of reach, attendance at the five Saturday home games each year increased. Prior to Pitterno's arrival, attendance generally averaged 25,000 to 29,000 per game; Season ticket sales bumped up by 10,000 just with the announcement of the new coach's arrival. Stephenville and SWU were ready to move to the big time!

The immediate issue facing SWU, however, was not NCAA ranking. It was capacity. The existing SWU stadium,

built in 1953, has seating for 54,000 fans. The following table indicates attendance at each game for the past six years.

One of Pitterno's demands upon joining SWU had been a stadium expansion, or possibly even a new stadium. With attendance increasing, SWU administrators began to face the issue head-on. Pitterno had wanted dormitories solely for his athletes in the stadium as an additional feature of any expansion.

SWU's president, Dr. Marty Starr, decided it was time for his vice president of development to forecast when the existing stadium would "max out." He also sought a revenue projection, assuming an average ticket price of \$20 in 2011 and a 5% increase each year in future prices.

Discussion Questions

1. Develop a forecasting model, justify its selection over other techniques, and project attendance through 2012.
2. What revenues are to be expected in 2011 and 2012?
3. Discuss the school's options.

Southwestern University Football Game Attendance, 2005-2010					
Years	Games				
	1	2*	3	4**	5
2005	34200	39800	38200	26900	35100
2006	36100	40200	39100	25300	36200
2007	35900	46500	43100	27900	39200
2008	41900	46100	43900	30100	40500
2009	42500	48200	44200	33900	47800
2010	46900	50100	45900	36300	49900

Discussion Questions

Question # 1: Develop a forecasting model, justify its selection over other techniques, and project attendance through 2012?

Question # 2: what revenues are to be expected in 2011 and 2012?

Question # 3: Discuss the school's opinions?

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