Problem Statement: B.1 Measurements and Estimations taskla How many fans attended UC Homegaves at Nipport Stadium in total?

heory

Minimum # of college football home games: 5 gunes

Assumptions

1. An amount of four should up equal to the winning percentage of the total capacity of the Stadium.

Solution

- 1. Take the winning percent of the first row of the total capacity of the stadium, and multiply by 5, the average amount of tome games per senson, then multiply by the number of years for the first com.
 - 12,000 · 0.52 · 5 · 12 = 3 74,400 fors (1924-1935)
- 2. Repeat the process for the following rows.
 - · 24,000 · 0.63 · 5 · 18 = 1,360,800 fus (1936 1953)
 - · 28,000 · 0.44 · 5 · 38 = 2,340,800 fus (1954-1991)
 - · 35,000 · 0.57 · 5 · 23 = 2,294,250 fors (1992-2014)
 - -38,000 · 0.67 · 5 · 7 = 891,100 fus (2015-2021)
- 3. Add the estimates together to get a total estimate. 374,400 + 1,360,100 + 2,340,800+ 2,294,250 + 891,100 = 7,2 61,350 fees

Problem Statement: 8.1 Measurements and Estimations taskle How many pigs were slaghtered for UC

Theory

- Civil War started in 1861

Assumptions

1. Constant growth of pigs slaughtered from 1869 to present pigs

Solution

1. Find the slope of pigs slaughtered.

2. Find the equation of pigs slaughtered growth

3. Flat the integral of this equation from 1924-2021 5 11190.5x - 20, 325, 519.5 dx 1924

5595.25x2 - 20,325,519.5x+ C