

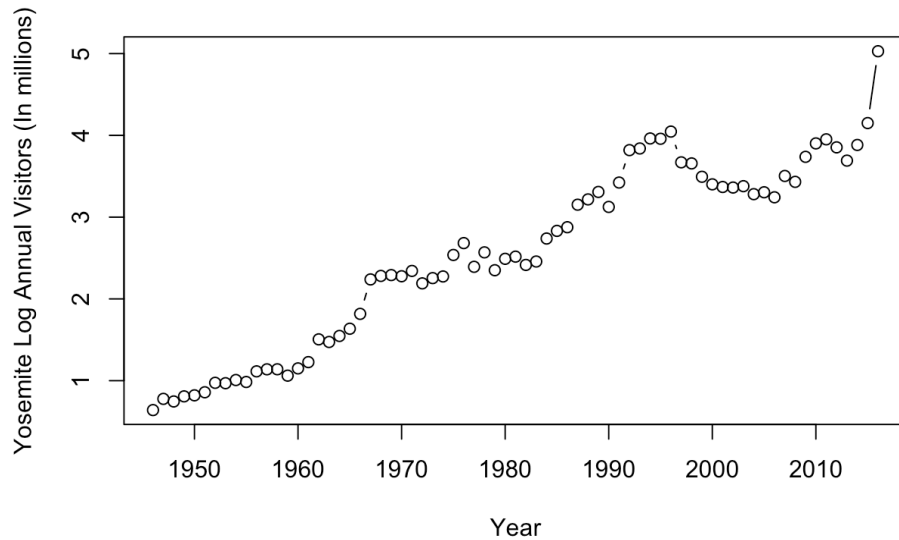
Yosemite Expected Visitors for Next 5 Years

In the last 10⁺ years, Yosemite National Park has been increasing exponentially in visitors. This report gives the predictions in visitors for the next 5 years and interpretation for past visitors.

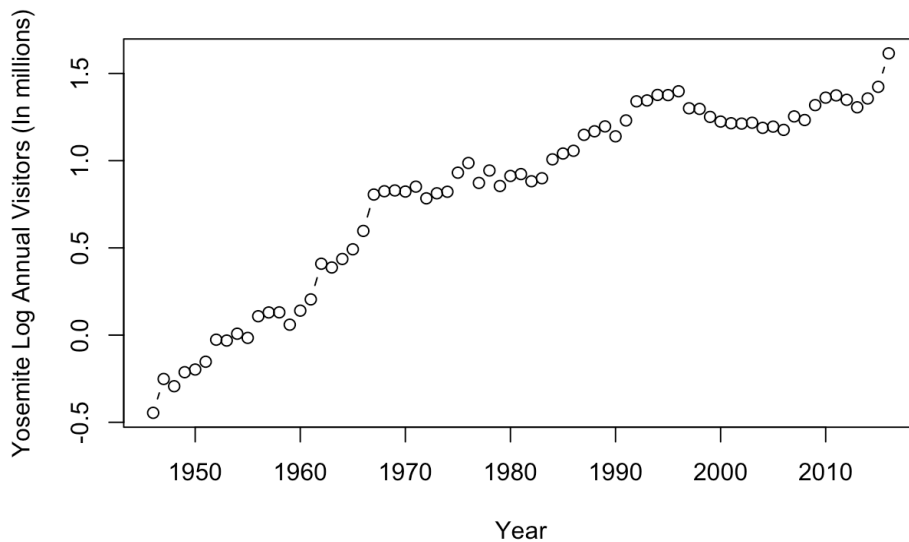
The predictions are created with data from previous years using a Time Series method (in millions).

Data comes from: <https://irma.nps.gov/Stats/SSRSReports/Park%20Specific%20Reports/>

Below are the graphics for the park visitor-ship from 1950 up to 2016.



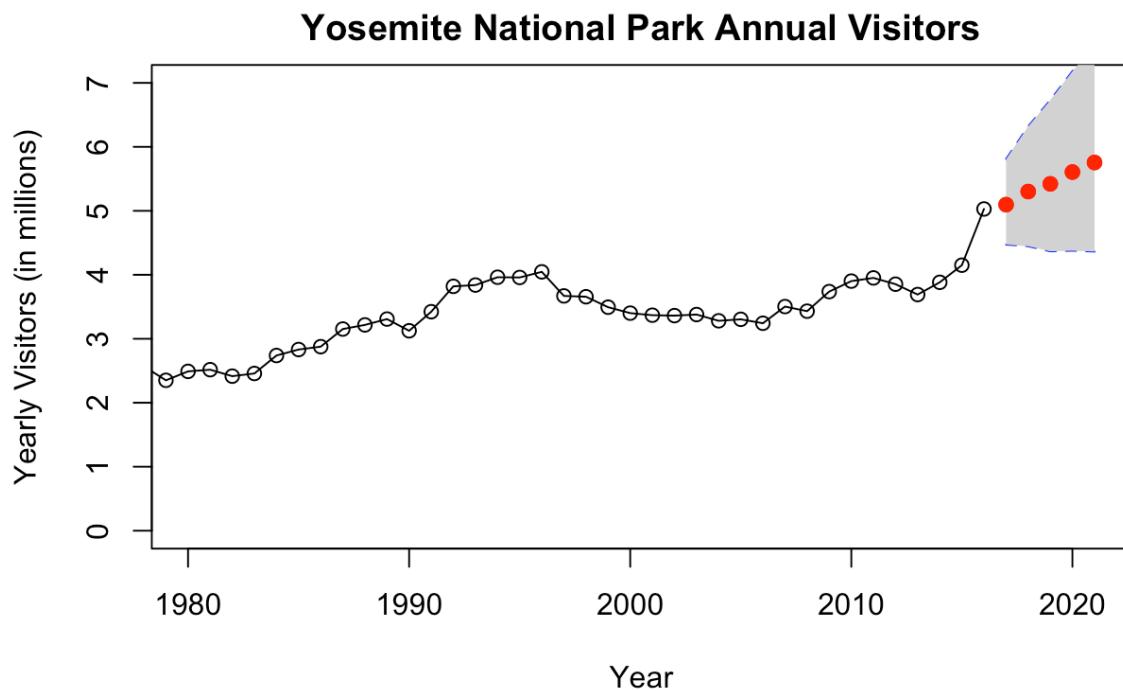
The data below has been transformed by taking a log to make easier calculations.



This method takes each year and extrapolates forward using a Time Series prediction. The model assumes that only the previous years determine future years, which means that this prediction depends on a roughly constant change in operations, marketing strategies, weather conditions, and counting techniques. This report should not be used to determine exactly what our values may fall-between, but a benchmark indicating what would happen if the organizational process does not change.

Below are the tables for estimates with 95% confidence intervals along with the graphic of the prediction.

5-Year prediction (95% confidence)			
Year	Parameter	Lower	Upper
2017	5.096657	4.472109	5.808425
2018	5.301227	4.446741	6.319912
2019	5.421584	4.366934	6.73094
2020	5.606032	4.376368	7.181205
2021	5.755369	4.362865	7.59232



As we see, the predictions are within a large range of 2 million visitors. Yet, the trend shows an overall increase in expected visitors. Regardless, there are viable concerns with global warming and weather patterns that will affect park snow and fire conditions and may impact overall visitor-ship. Close coordination with the environmental research team may be necessary for an in-depth analysis on prediction. Overall, the recent trends show how there may not be too much room for concern at this moment.