Project Plan

TNM098 - Advanced Visual Data Analysis

Group members

Isabelle Rosenquist (isaro242)
Sandra Pettersson (sanpe282)

The problem

We have chosen to work with Mini Challenge 1 from VAST Challenge 2017. The main reason for this challenge is to observe the movement of traffic through the Boonsong Lekagul Nature Preserve to see if there is a link between the traffic and the birds behavior. Perhaps they are disturbed by the campers or their vehicles. The park rangers have collected some traffic data, explanations about the data and a map of the area. The data have been collected from the beginning of May 2015 to the end of May 2016.

We will be focusing on finding patterns in individuals and groups in one day. If there is time left we would also like to observe what happens in a longer period of time.

How to begin?

We will start by analyzing the data to find the most visited gates to see where the visitors spend most of their time. Then we also wants to see what kind of vehicles that visits the park and we exactly they spend most time.

Since there is no specific data about the birds that resides in the park we need to draw our own conclusions from the patterns we find in the visitors movements.