Hotel Overbooking – Flatiron Course

## Objectives for this course

* Define a real world problem to solve with Python
* Understand the Bernoulli experiment
* Learn about a binomial distribution and apply it to the problem
* Use the above information to help determine the optimal number of rooms to overbook

The travel and hospitality industries have become reliant on technology to help them make and keep their operations profitable. For hotel owners and managers one thing they work towards, everyday, is to fill as many rooms as possible while getting the best price. In this course, we will explore one method to help maximize profitability by optimizing the booking of rooms in a hotel using Python.