# PWC Data Wrangling Challenge #1

## Observations

High Spring Effect

* King
* Superior King
* Executive

Room types

* Executive
* Superior King
* Club deluxe
* One Club
* One suite
* Kign

Spring Effect for three rooms, problem may be food

* Club Deluxe January through June below 90%, gets better after June
* One Club February to June 60-70%, okay 2-3 months, then bad again
* One Suite March to July 60-70%, okay 2-3 months, then bad again

King

* July to December
  + Room below 40%
  + Food & Bar below 10%

King July to December below 33%

## Steps of Analysis

by month

by room type

by service (room, food, bar)

## By May 6

1. In third sheet, “Merge”, compare actual revenue with plan revenue, by month and room type

Fill out third table. “Merge”, in Excel

Calculate Total Accuracy = ActualTotal / PlanTotal

Identify Months and Rooms where Accuracy < 90%

Make a simple visualization?

2. break down by service (room, food, bar)

## May 18

3. patterns to look for

Seasonal effect

Concerns

4. Deliverables (Visualization, Dashboard, PowerPoint)

Visualization options

* Dynamic chart in Excel
* R 🡪 D3.js and website

Excel – two sheets

1. primary analysis (line graphs by room type and revenue type)

## Present to PWC - May 20