Part 4: Analysis

1. The number of defects has been increasing over time. Notable: While the number of defects has been increasing over time, in a calendar year, there is a spike in the number of defects in the earlier part then proceeding with a slow decrease. Pattern is repeating for 2016 and 2017.
2. While the number of defects has been increasing over time, new opportunities are also increasing. Thus, there was a sharp decrease and increase in new opportunities in the early 2017, stabilized around March, then proceeding with a slow decrease in new opportunities in 2017. And a spike in new opportunities in 2018.
3. The Defect rates has seen a spike increasing and decreasing in early 2016, then stabilized after that period. 2 different patterns: a slow decreasing in defects rates in 2016, and slow increasing in defect rates in 2017.