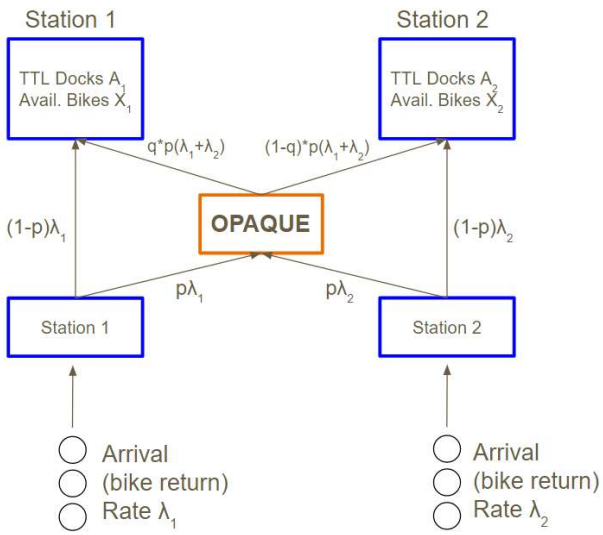
Plot 1 for city bike rebalancing issue

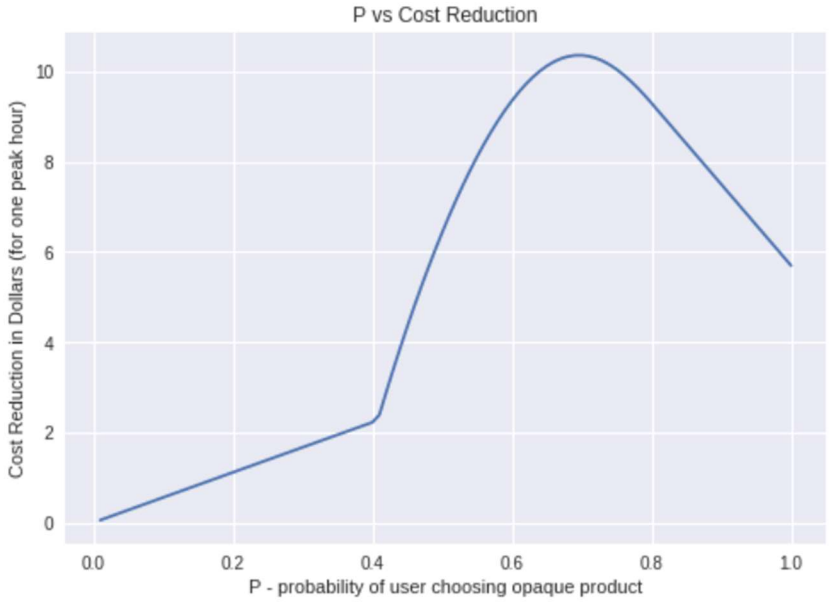
Toy model:



Obj:

$$(\lambda_1 \cdot P_A^1 + \lambda_2 \cdot P_A^2) \cdot c - [(\lambda_1^* \cdot P_A^{1*} + \lambda_2^* \cdot P_A^{2*}) \cdot c + p \cdot k \cdot (\lambda_1 + \lambda_2)]$$

Results: (Using midtown data)



This model can help citi bike save uo to 10 dollars for two stations during rush hour (1 hour length) each day