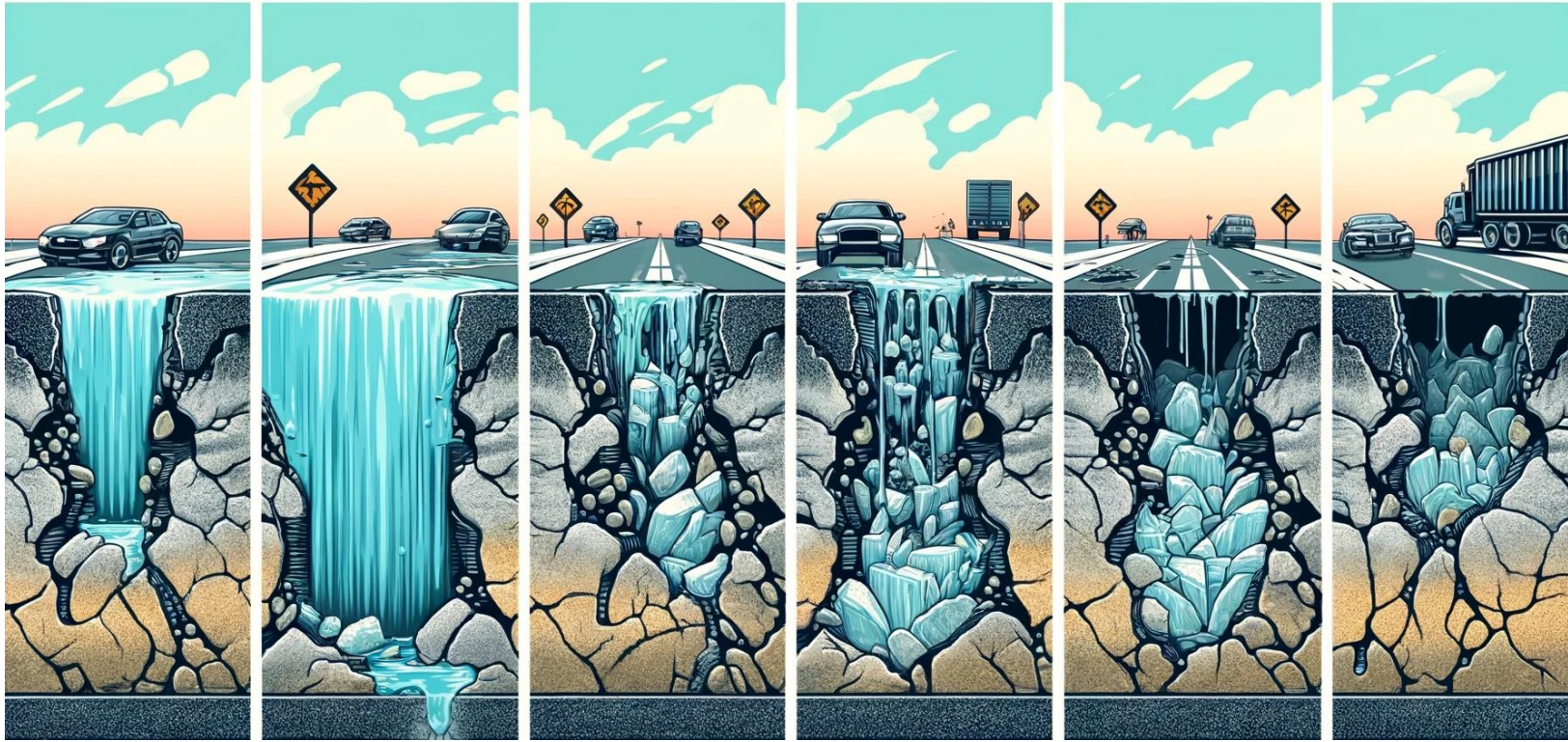


# **FORECASTING POTHOLE DEVELOPMENT IN SYRACUSE, NY**

Ed Cogan, Catie Shelton, Marina Mitiaeva, Abhi Chakraborty, Jackson Bayuk

# Problem definition



Due to poor  
paving materials



Gets worse in case of  
extreme temperature  
change

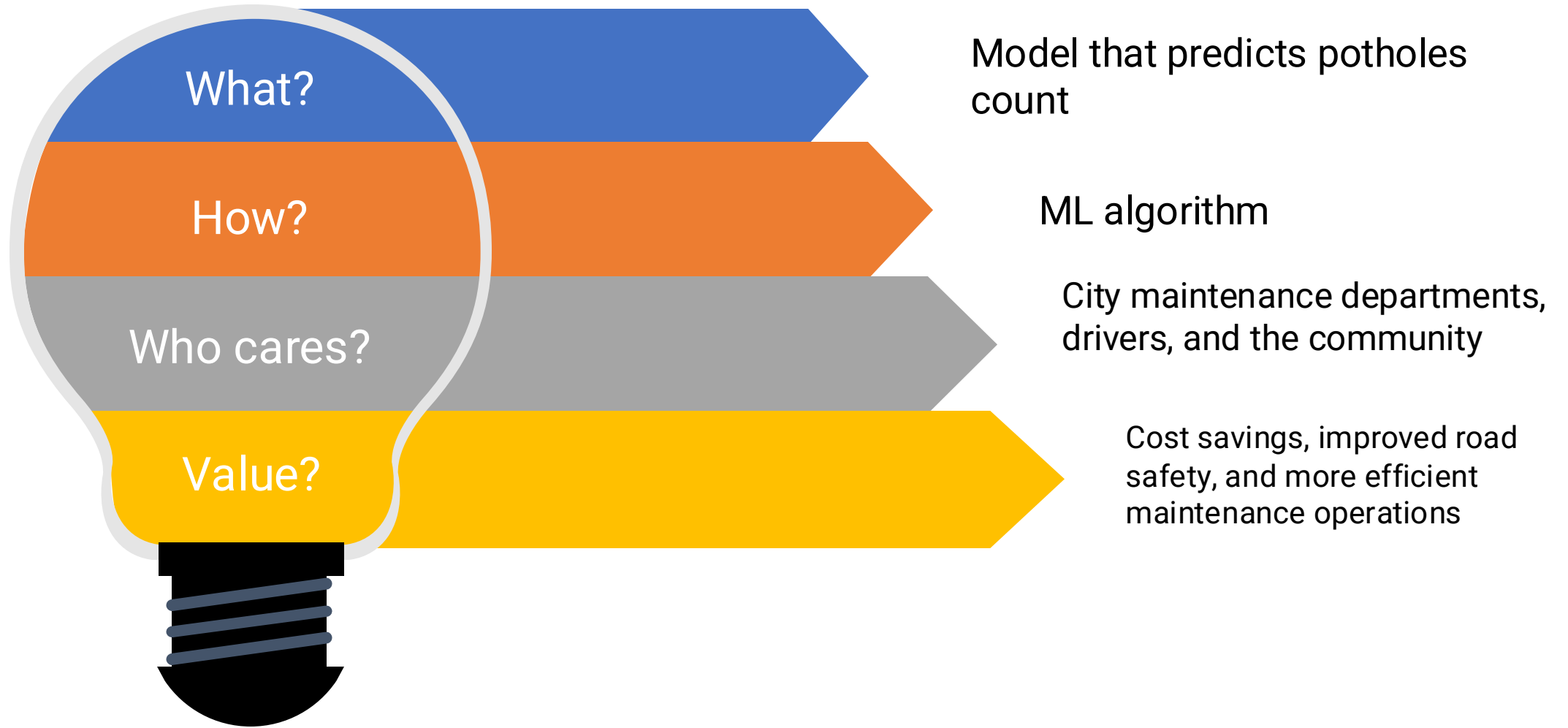


Different from  
sinkholes that begin  
below the surface

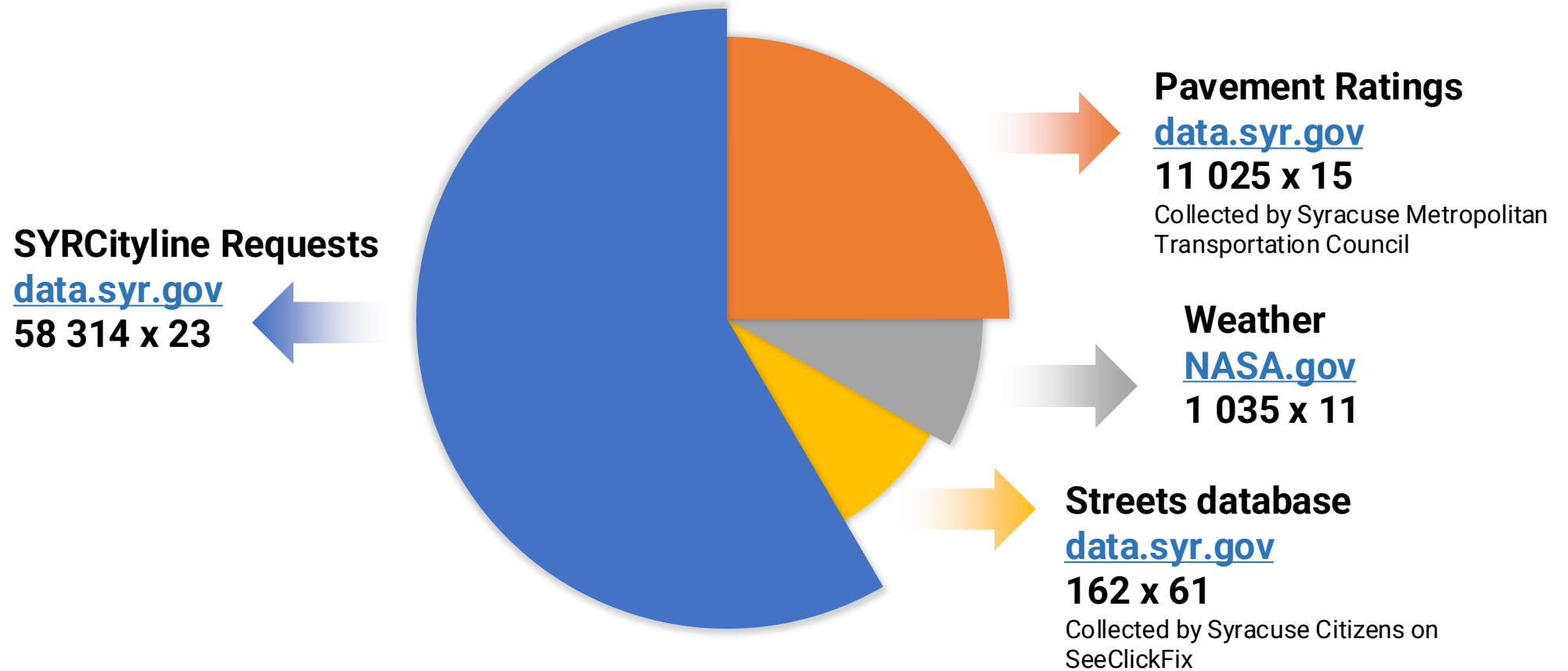


Collapses under  
the pressure and  
weight of traffic

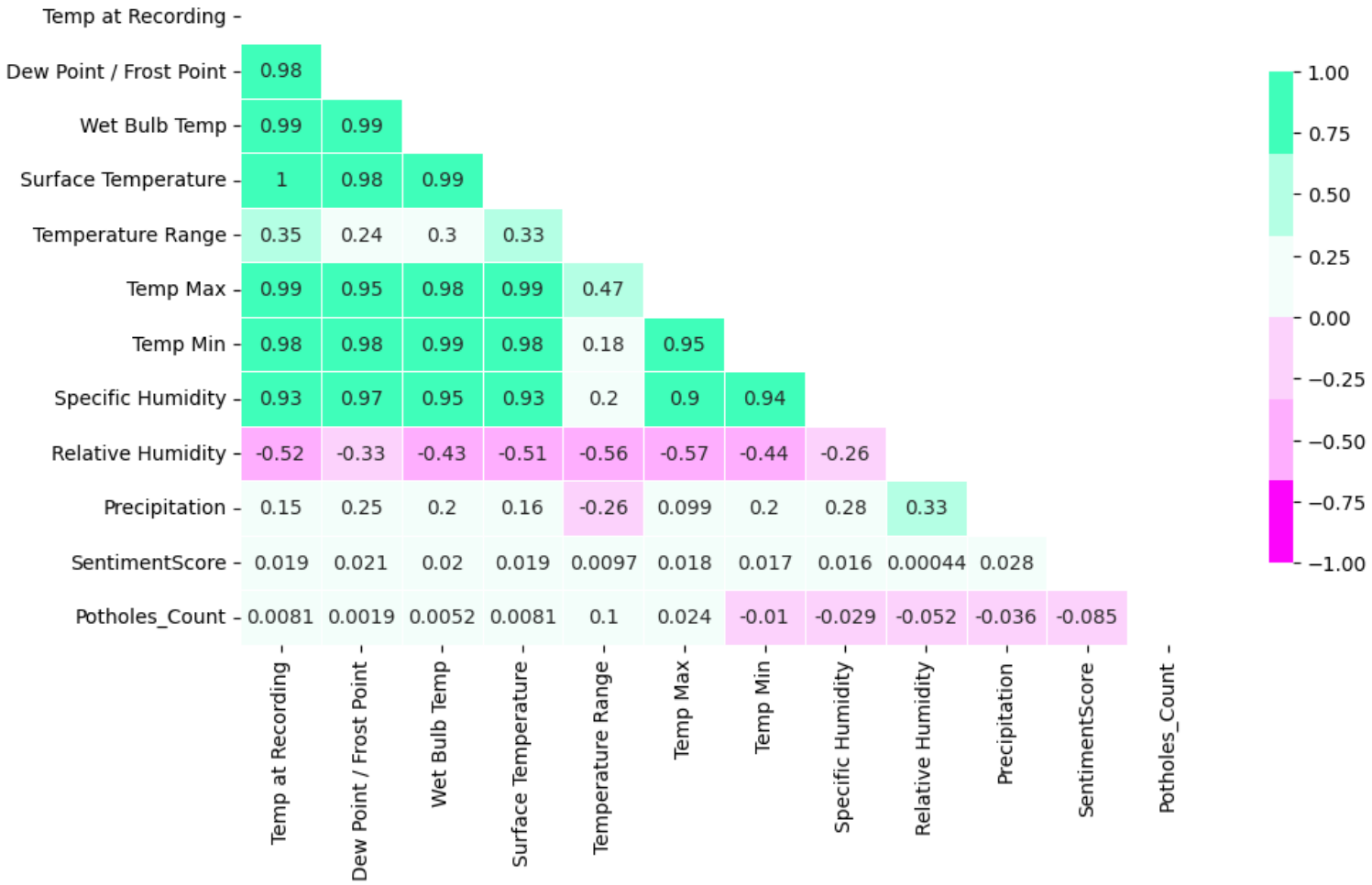
# Our solution



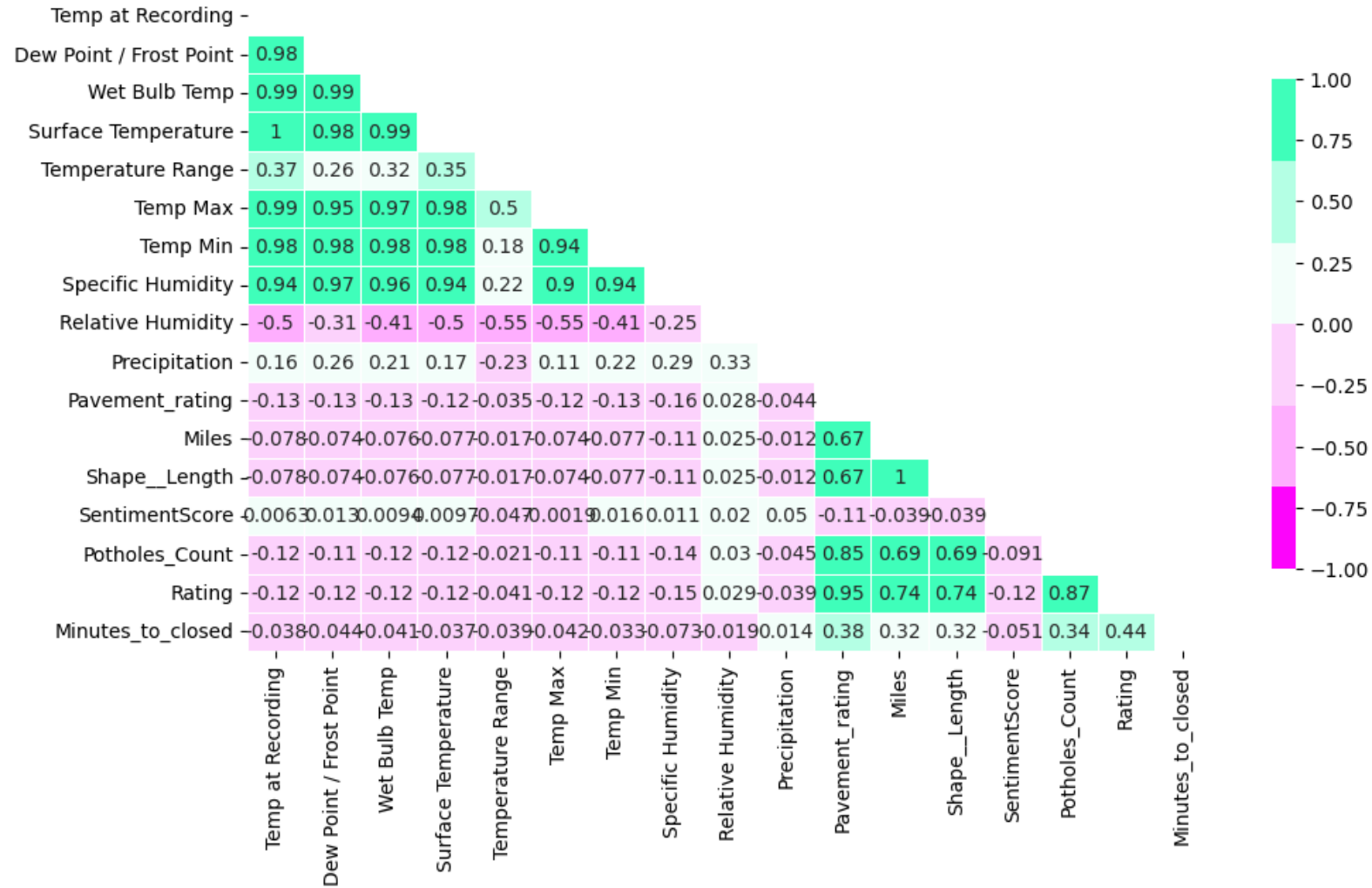
# Data Collection for 2021- 2023



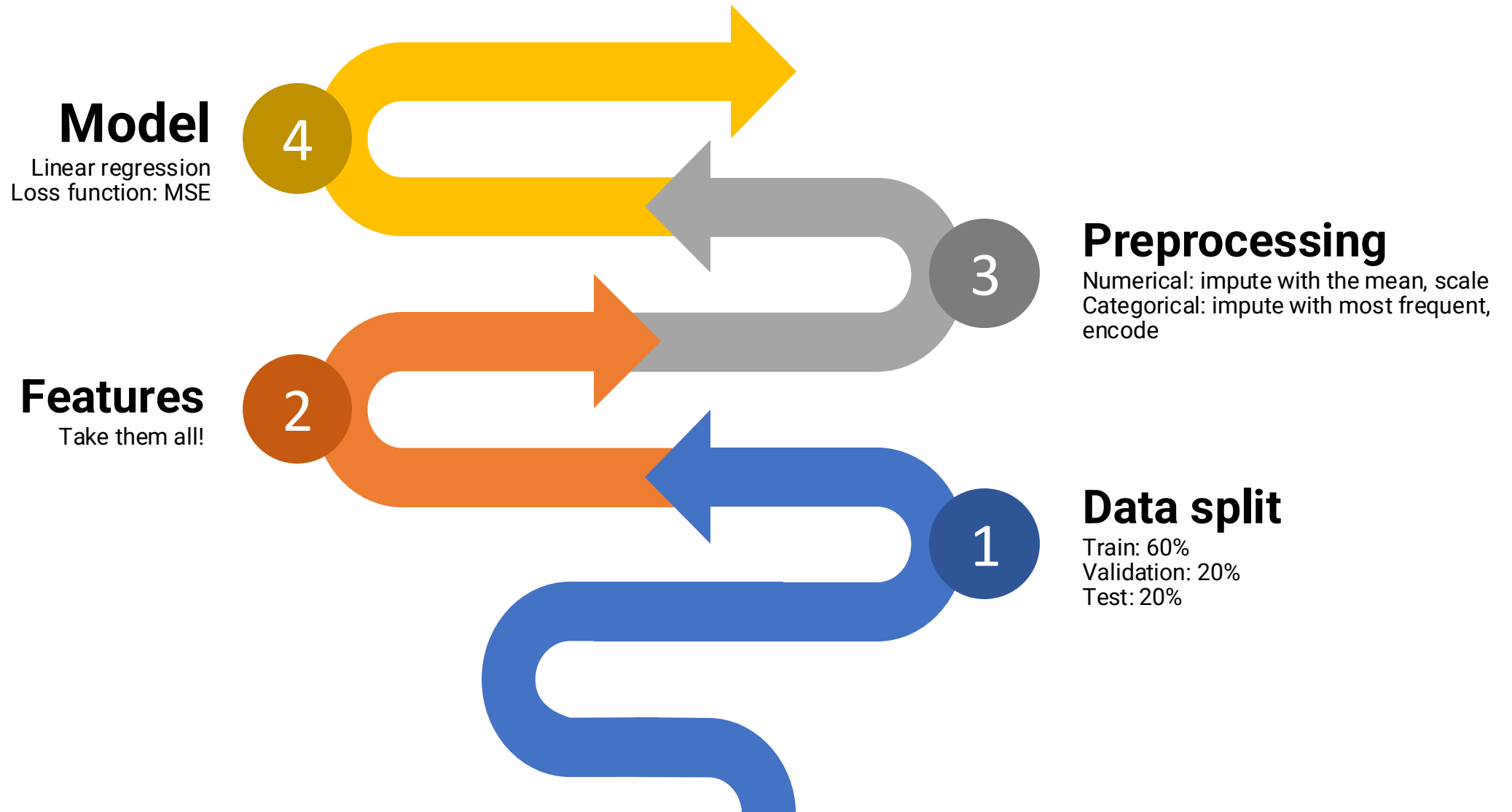
# EDA: Correlation Matrix from Checkpoint 2



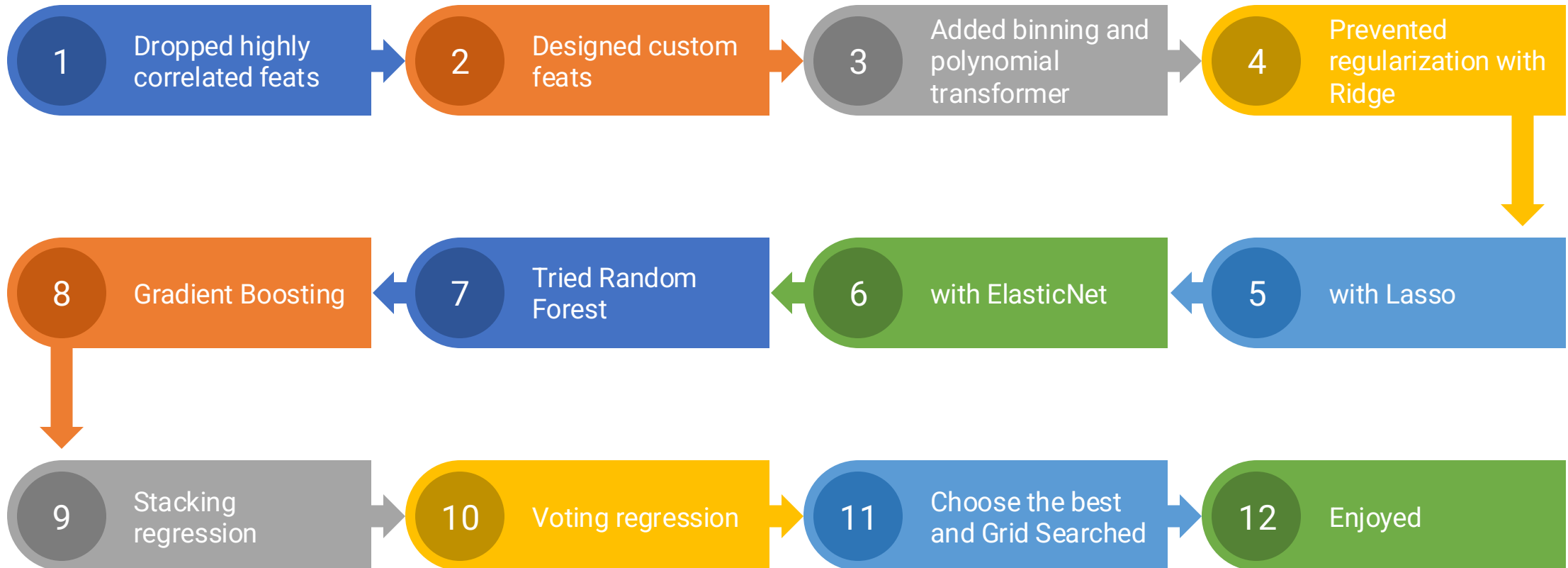
# EDA: Correlation Matrix Now



# Our Baseline Model



# And then the experiment began...





# Results

