

# Marquette University Basketball Heatmap

(Data Dawgs or some other team named idk)

## Project Members and Responsibilities

- Nirmay Kathuria – features and slides
- Nathan Rusch – finish up features, work on slides
- Jack Anderson - frontend cleanup and slides
- Juan De Los Santos – Slides
- Wilson von bohlen - Slides

## Dataset Description

For this project we are going to analyze and visualize shot data from the 2024-2025 Marquette University Men's basketball team. Some of the following datasets we will use include the following

1. Kaggle NBA Shots Dataset (2001–Present) <http://tiny.cc/6odc001>
  - This dataset contains the following information. Detailed shot locations, player names, teams, shoot results.
  - We will filter this dataset to focus on Marquette basketball or bucks basketball whatever we decide
  - Key Variables: player\_name, shot\_distance, shot\_result, shot\_location, game date

## Technology to be presented

While we utilize a wide variety of technologies within our final project. The technology that allowed us to create our dashboard so quickly was the web framework Dash. Dash is a data science geared web framework for data analysis and visualization. It is designed for python with integrated support for Flask, React.js, and Plotly.js. This allows for data scientists to leverage the capabilities of a Python backend with the ease of development of React.js, and the built-in graphing capabilities of Plotly.js. Dash is a relatively unknown framework at Marquette, and we would like to share our takeaways, both positive and negative, from using this framework.