import streamlit as st

import pandas as pd

# Sample NRL match history

data = {

'Home Team': ['Storm', 'Panthers', 'Roosters', 'Storm', 'Broncos', 'Panthers'],

'Away Team': ['Broncos', 'Storm', 'Panthers', 'Roosters', 'Panthers', 'Roosters'],

'Winner': ['Storm', 'Panthers', 'Roosters', 'Storm', 'Panthers', 'Panthers']

}

df = pd.DataFrame(data)

st.title("🏉 NRL Match Winner Predictor")

teams = sorted(list(set(df['Home Team']) | set(df['Away Team'])))

home\_team = st.selectbox("Select Home Team", teams)

away\_team = st.selectbox("Select Away Team", [team for team in teams if team != home\_team])

def predict\_winner(home, away):

home\_wins = df[(df['Home Team'] == home) & (df['Winner'] == home)].shape[0]

away\_wins = df[(df['Away Team'] == away) & (df['Winner'] == away)].shape[0]

if home\_wins > away\_wins:

return home

elif away\_wins > home\_wins:

return away

else:

return "It's too close to call!"

if st.button("Predict Winner"):

result = predict\_winner(home\_team, away\_team)

st.success(f"Predicted Winner: \*\*{result}\*\*")