Github Repository: https://github.sfu.ca/mrh9/cmpt-733-final-project
Shared Drive: BDL - Project - Spring 2024
Website - http://squashbc.clublocker.com/

Project Core:

1. Given two teams of varying skills, who is most likely to win? - Match prediction using Statistical modelling
2. Does Implementing Neural Networks give us better prediction results?
3. Dashboard for Player Stats/ Match stats
4. UI for pair outcome prediction results

Suggestion - Work each step in teams of 2
PHASE 1
1. Data sourcing , Web scraping - Naveen, Akanksha,
2. Match outcome predictor - Statistical modelling - Leo, Fayad, Maureen
PHASE2
3. Match outcome predictor - NN - Leo, Fayad, Akanksha
4. Dashboard with player and match statistics - Maureen, Akanksha, Naveen
5. UI - Naveen, Maureen

Timeline

Date	**Component**	**Owner**	**Status**	**Deliverable**
20/02	Meeting 1 with Sponsors to Discuss Requirements	Team	**Complete**	QnA document **Find here:** SquashB…
20/02	Project Proposal Submission	Team	**Complete**	Form filled and upload to Coursys Find here in one drive:
27/02	Create an Account and gain permissions for data sourcing	Leo	Complete	Uname: CMPT733 Password: 2024Semester2 Permissions granted: Website: http://squashbc.clublocker.com/
	Scrape website for data	Naveen		Csv files with Data arranged in a Folder Upload to shared drive Upload data to github

				repository
	Data Cleaning and Feature Engineering			
	Build initial statistical model for match outcome			Jupyter notebook used to develop model Upload to shared drive:
	Test model results with portion of match outcome data			Test results with screenshots/ screen recordings Upload to shared drive:
	Rough UI to interact with Initial Statistical model User should be able to input two pairs of players and see prediction			
03/07	Project Milestone Submission	Maureen - Video and Poster		Video Presentation + Poster + Code Upload to One Drive Upload to Coursys
	Meeting 2 with Sponsors to Discuss Milestone 1 + Feedback			
	Train NN on same data			
	Test NN model			
	Compare results from Statiscal Model			

	vs NN model			
	Meeting 3 with Sponsors to discuss both results + Go over UI / Dashboard proposal			
	Build UI/Dashboard for sponsors Dashboard consists of player stats			
	Meeting 4 with Sponsors + Feedback / Changes to UI			
	Implement Changes if any to UI/Dashboard (This Step will be repeated as necessary)			
	Final Meeting with Sponsors			
08/04 by midnight	Final Project Submission			Submit Poster on Coursys
09/04	Final Project Presentation			Present Project using Poster at ASB10900
`10/04	Final Project Report Submission			Submit Project Report + Project Video on Coursys