

Lead Poisoning and Crime Rates

Project Plan and Detail

Rahul Agasthya, Manasdeep Deb, Ajay Roopesh Mohan, Jay Rodge, Nicholas Tating

Section	Task ID	Task	Depends On	Start By	Deadline	Assigned To
Getting Started	1	Project Group and Topic		Complete	Complete	All
	2	Project Proposal and Outline		Complete	Complete	All
	3	Set up GitHub		10/17/2019	Complete	Nicholas
	4	Project Plan and Detail		10/17/2019	Complete	Nicholas
Data Preparation	5	Import data into data frames		10/23/2019	10/24/2019	Nicholas
	6	Set column names and data types	5	10/23/2019	10/24/2019	Nicholas
	7	Remove unnecessary columns	6	10/23/2019	10/24/2019	Nicholas
Data Processing	8	Feature Summaries	7	10/24/2019	10/25/2019	Jay
	9	Address missing data	7	10/24/2019	10/26/2019	Ajay/Jay
	10	Address outliers if needed	7	10/24/2019	10/26/2019	Ajay/Jay
	11	Check joining features and mismatches between tables	9,10	10/26/2019	10/28/2019	Nicholas/Jay
	12	Join tables where appropriate	11	10/26/2019	10/28/2019	Nicholas/Jay
Analysis and Visualization	13	Plot relationships between response and predictors	12	10/29/2019	11/1/2019	Ajay/Manasdeep
	14	Generate correlation matrices	12	10/29/2019	11/1/2019	Ajay/Manasdeep
	15	Residual plots to check for nonlinearity	12	10/29/2019	11/2/2019	Ajay/Manasdeep
	16	Analysis	13,14,15	11/1/2019	11/4/2019	Rahul/Manasdeep
Modeling	17	Train/Test Split	12	10/28/2019	10/29/2019	Nicholas
	18	Select models for regression	16	11/4/2019	11/5/2019	Manasdeep/Ajay
	19	Select models for classification	16	11/4/2019	11/5/2019	Rahul/Jay
	20	Test model performance for regression	18	11/5/2019	11/6/2019	Manasdeep/Ajay
	21	Test model performance for classification	19	11/5/2019	11/6/2019	Rahul/Jay
	22	Evaluate and analyze model performance	20,21	11/6/2019	11/7/2019	Nicholas/Rahul
	23	Specify final model (leave others in analysis and discuss why we chose final model)	22	11/7/2019	11/8/2019	All
Report	24	Conclusions on model performance	23	11/8/2019	11/9/2019	Rahul
	25	Insights and analysis (work on throughout project)	24	11/5/2019	11/11/2019	Rahul
	26	Future prospects of the project		11/9/2019	11/11/2019	Manasdeep
Presentation	27	Build powerpoint		11/12/2019	11/15/2019	Rahul
	28	Present project	27	11/20/2019	11/20/2019	Rahul/Manasdeep
	29	Accept nobel peace prize		12/10/2019	12/10/2019	All