THEMES	WEEKS	DATES	GOALS
Investigation and Data Prep	3	27 April - 14 May	Identify project objectives and key data features + understand data dictionaries + research machine learning techniques to classify building sensors
Training/Testing Data and Data Prep	1	15 - 21 May	Create training/testing data + transform data for machine learning tasks
Feature Selection and Engineering	1	22 - 28 May	Aggregate data + create smaller categorical levels + identify relevant features
Initial Modeling	1	29 May - 4 June	Develop a classification model to apply group tags to end-uses for the Pharmacy building + finalize main script to clean data and feed data into models + UBC mid-term presentation
Tuning Model	1	5 - 11 June	Validate and evaluate models
Dashboard and Wrap-Up	1	12 - 18 June	Create visualizations of results + data pipeline of results + start final report and presentation
Wrap-Up	1	19 - 26 June	Final report + package final code + UDL final presentation + UBCO final presentation
Total Weeks	**9**		

THEMES WILL COORDINATE WITH SPRINTS = FRIDAY - THURSDAY

JUST FOR US TO CHECK IF WE'RE ON SCHEDULE

				APRIL 27, 2020					MAY 1, 2020							MAY 8, 2020							MAY 15, 2020							MAY 22, 2020							MAY 29, 2020							JUNE 5, 2020							JUNE 12, 2020							JUNE 19, 2020					
THEME				INVESTIGATION AND DATA PREP																			MODEL															SCALE + ANALYSIS													WRAP-UP														
TASK	**START DATE**	**DUE DATE**	**SPRINT WEEK**	27	28	29	30	1					4	5	6	7	8			11	12	13	14	15			18	19	20	21	22			25	26	27	28	29			1	2	3	4	5			8	9	10	11	12			15	16	17	18	19			22	23	24	25	26
				M	T	W	R	F					M	T	W	R	F			M	T	W	R	F			M	T	W	R	F			M	T	W	R	F			M	T	W	R	F			M	T	W	R	F			M	T	W	R	F			M	T	W	R	F
Project Definition and Proposal																																																																						
Background reading			1																																																																			
Exploratory data analysis			1																																																																			
Proposal development			1																																																																			
Data Preparation																																																																						
Understanding data dictionaries			2																																																																			
Set up AWS/TBD connection to stream data			3																																																																			
Develop a tool to identify missing information			3																																																																			
Develop a tool to populate missing information			3																																																																			
Transform data for machine learning task			3																																																																			
Identify NRCan's classifications			3																																																																			
Modeling																																																																					
Identify relevant features			4																																																																			
Identify if any feature engineering can be done to aid classification			4																																																																		
Make training and testing data			4																																																																			
Develop various models for classification			4																																																																	
Compare models for effectiveness			5																																																																		
Recommend models			5																																																																	
Scale																																																																					
Expand size of network for future buildings			6/7																																																																		
User-acceptance testing of model			6/7																																																																	
Visualization and Additional Analysis																																																																			
UBCO midterm presentation			6/7																																																																	
Identify conclusions and results			6/7																																																																	
Create Grafana dashboards			6/7																																																																	
User-acceptance testing of dashboards			6/7																																																																	
Report Writing																																																																			
Draft report			8/9																																																																	
Final report			8/9																																																																
Wrap Up and Presentation																																																																		
Draft presentation			8/9																																																															
UDL final presentation			8/9																																																															
UBCO final presentation			8/9																																																															