

Weather

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Analysis

GOAL:

A weather predictor model that can guess the weather of a particular location up to 14 days in advance with an 80% accuracy

Requirements:

- Take in data for a location
- Store current models
- Account for climate
- Store many models for many locations
- Have 80%+ accuracy for 14 days after
- Scrape for data
- Find data sources
- Remove outliers
- Normalize data
- report back weather info like provided
- report chance of a major storm
- learn as it is used

Object Model

Quality	General Case	Instance
object	Model tester	Logistic regression, back prog
attribute	accuracy, model data, type	
operations	run, compare	
object	log regress model	first
attribute	lr, it, input data	
operations	grads, equation, ...	
object	back prop	
attribute	lr, it, input data	
operations	forward, backward, grads, cost ...	
object	scraper	
attribute	url, data gathered	
operations	find, grab, add to database	
object	hunter	
attribute	quality, area	
operations	deploy scraper, determine quality	
object	app	
attribute	weather, danger prediction	
operations	find weather, update	

