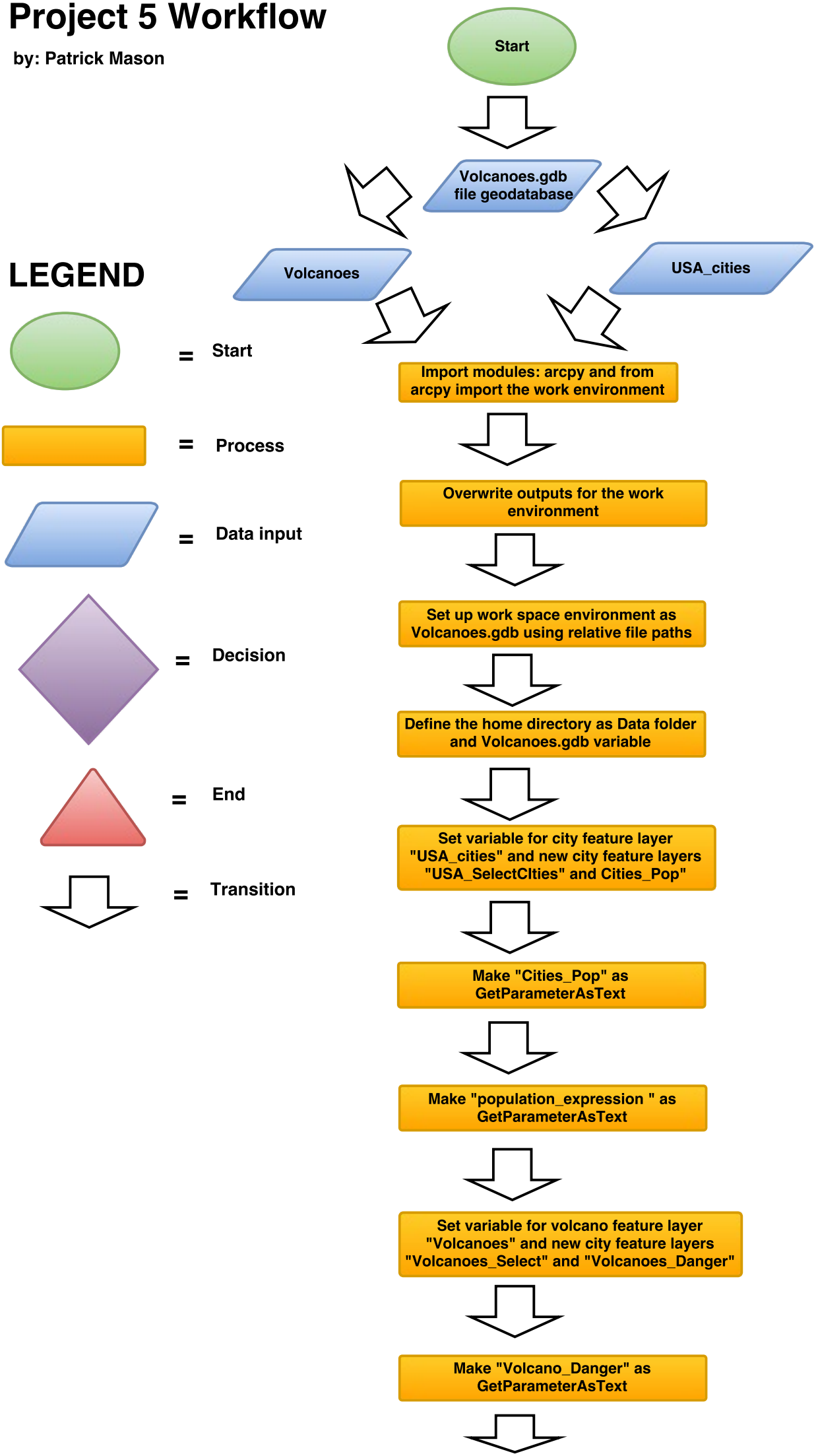
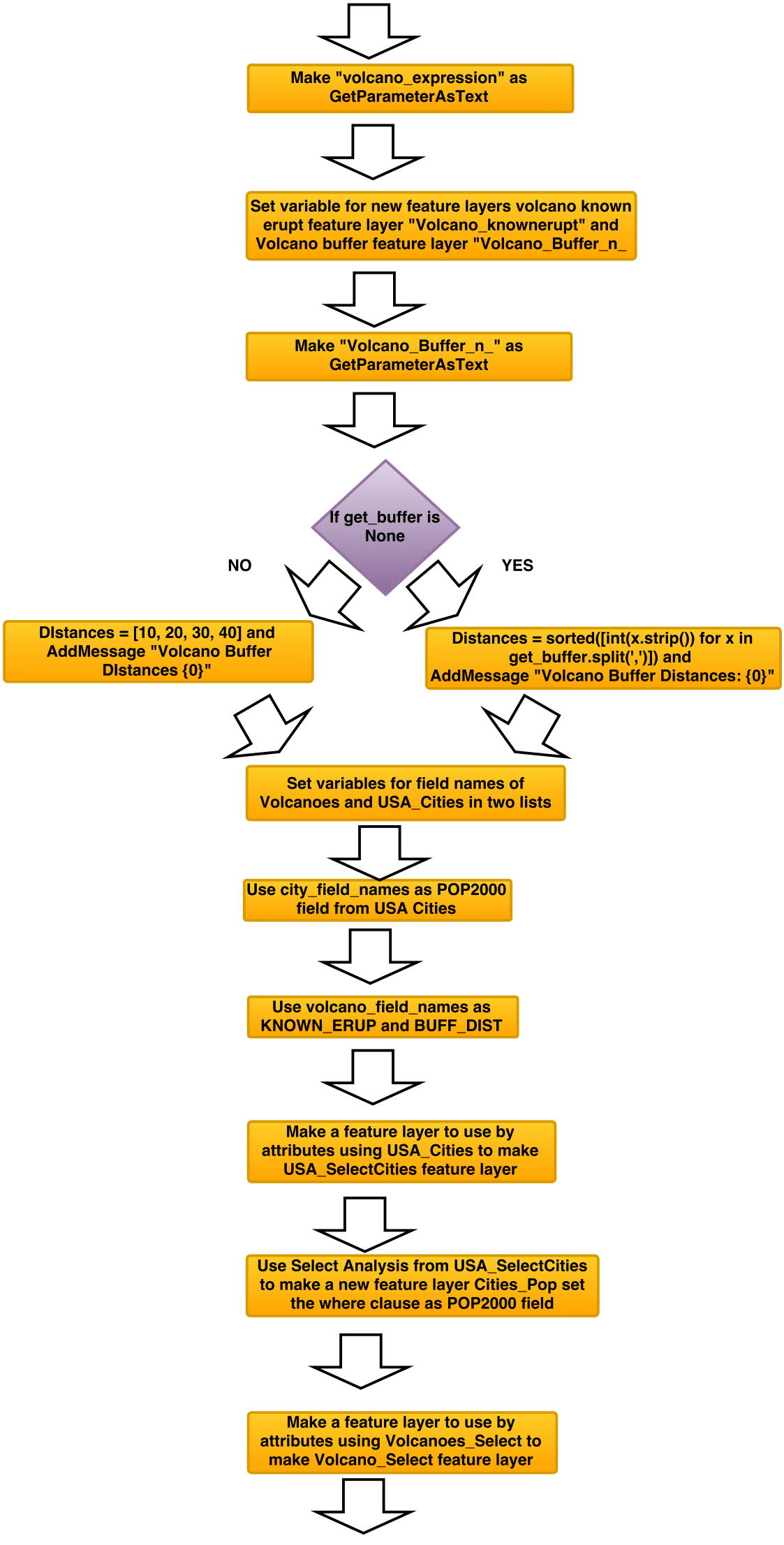
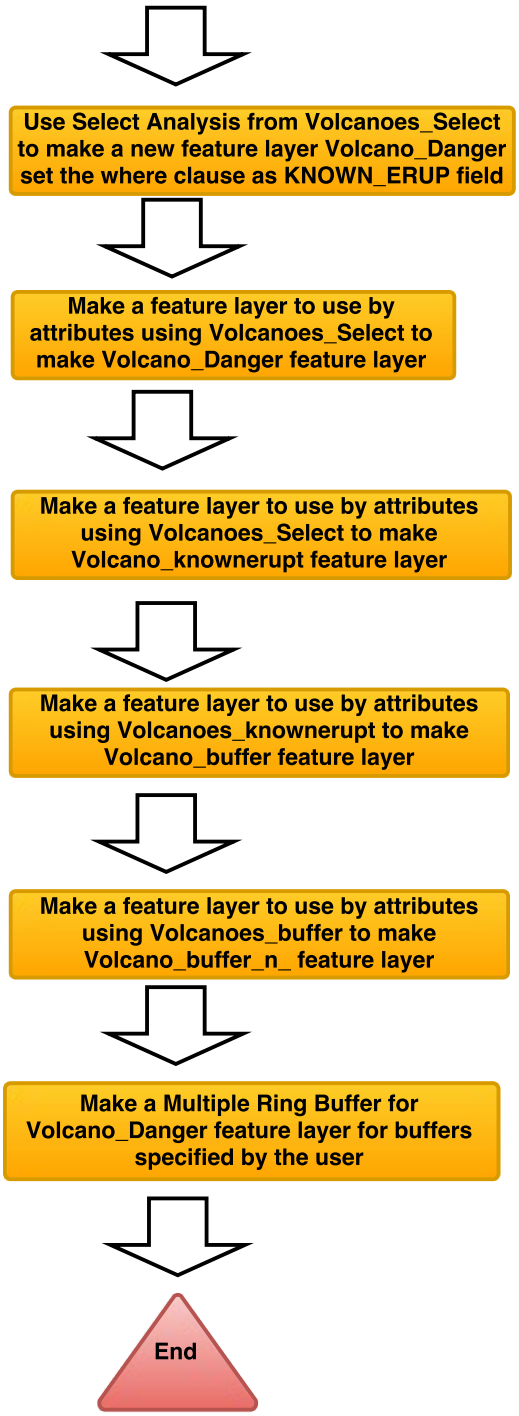
# Project 5 Workflow

by: Patrick Mason




Make "volcano_expression" as GetParameterAsText
Set variable for new feature layers volcano known erupt feature layer "Volcano_knownerupt" and Volcano buffer feature layer "Volcano_Buffer_n_
Make "Volcano_Buffer_n_" as GetParameterAsText
If get_buffer is None
NO
YES
DIstances = [10, 20, 30, 40] and AddMessage "Volcano Buffer DIstances {0}"
Distances = sorted([int(x.strip()) for x in get_buffer.split(',')]) and AddMessage "Volcano Buffer Distances: {0}"
Set variables for field names of Volcanoes and USA_Cities in two lists
Use city_field_names as POP2000 field from USA Cities
Use volcano_field_names as KNOWN_ERUP and BUFF_DIST
Make a feature layer to use by attributes using USA_Cities to make USA_SelectCities feature layer
Use Select Analysis from USA_SelectCities to make a new feature layer Cities_Pop set the where clause as POP2000 field
Make a feature layer to use by attributes using Volcanoes_Select to make Volcano_Select feature layer


Use Select Analysis from Volcanoes_Select to make a new feature layer Volcano_Danger set the where clause as KNOWN_ERUP field
Make a feature layer to use by attributes using Volcanoes_Select to make Volcano_Danger feature layer
Make a feature layer to use by attributes using Volcanoes_Select to make Volcano_knownerupt feature layer
Make a feature layer to use by attributes using Volcanoes_knownerupt to make Volcano_buffer feature layer
Make a feature layer to use by attributes using Volcanoes_buffer to make Volcano_buffer_n_ feature layer
Make a Multiple Ring Buffer for Volcano_Danger feature layer for buffers specified by the user
End