DeconstructDEM toolbox for ArcGIS Pro

By Jonathan Lim (Jonathan.lim@arch.ox.ac.uk)

This file is a ArcGIS toolbox (.atbx) intended for use in ArcGIS Pro 2.9 and above. It contains one geoprocessing model (DeconstructDEM) which will convert a DEM raster into point features where each point feature is encoded with elevation values, EXCEPT for an area as defined by an input polygon (Figure 1). The resulting point features can then be processed with the Fill Missing Values tool[1], then converted into a DEM. The entire workflow is intended to remove modern linear features in the terrain, like roads and canals.
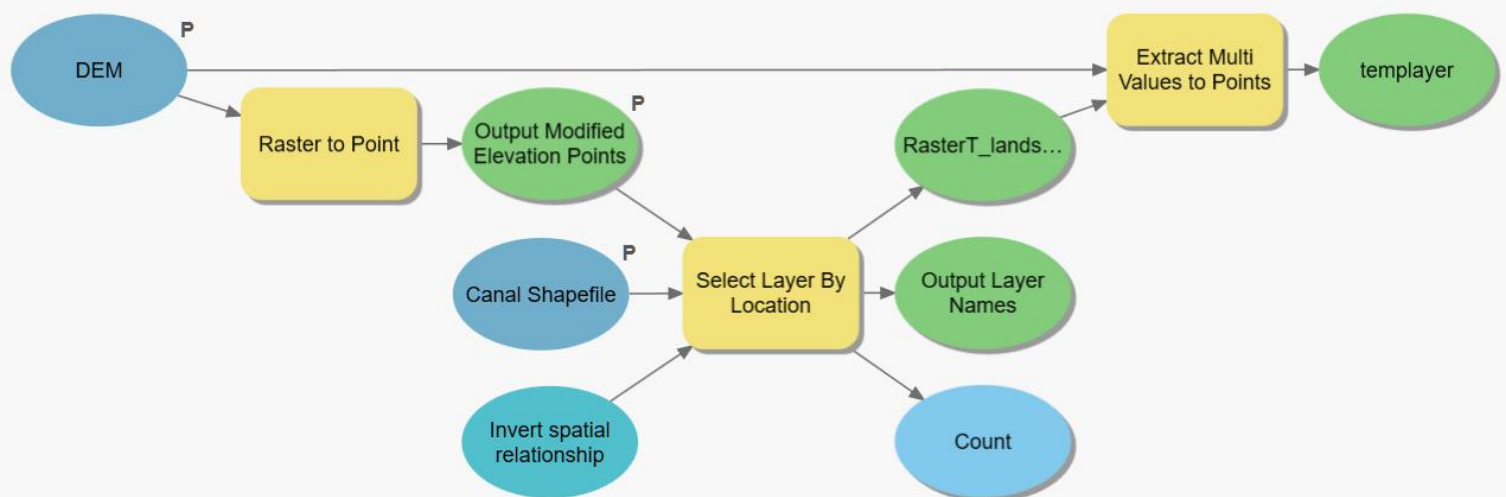

Figure 1: The three constituent tools of the geoprocessing model

---

[1] Fill Missing Values: https://pro.arcgis.com/en/pro-app/latest/tool-reference/space-time-pattern-mining/learnmorefillmissingvalues.htm