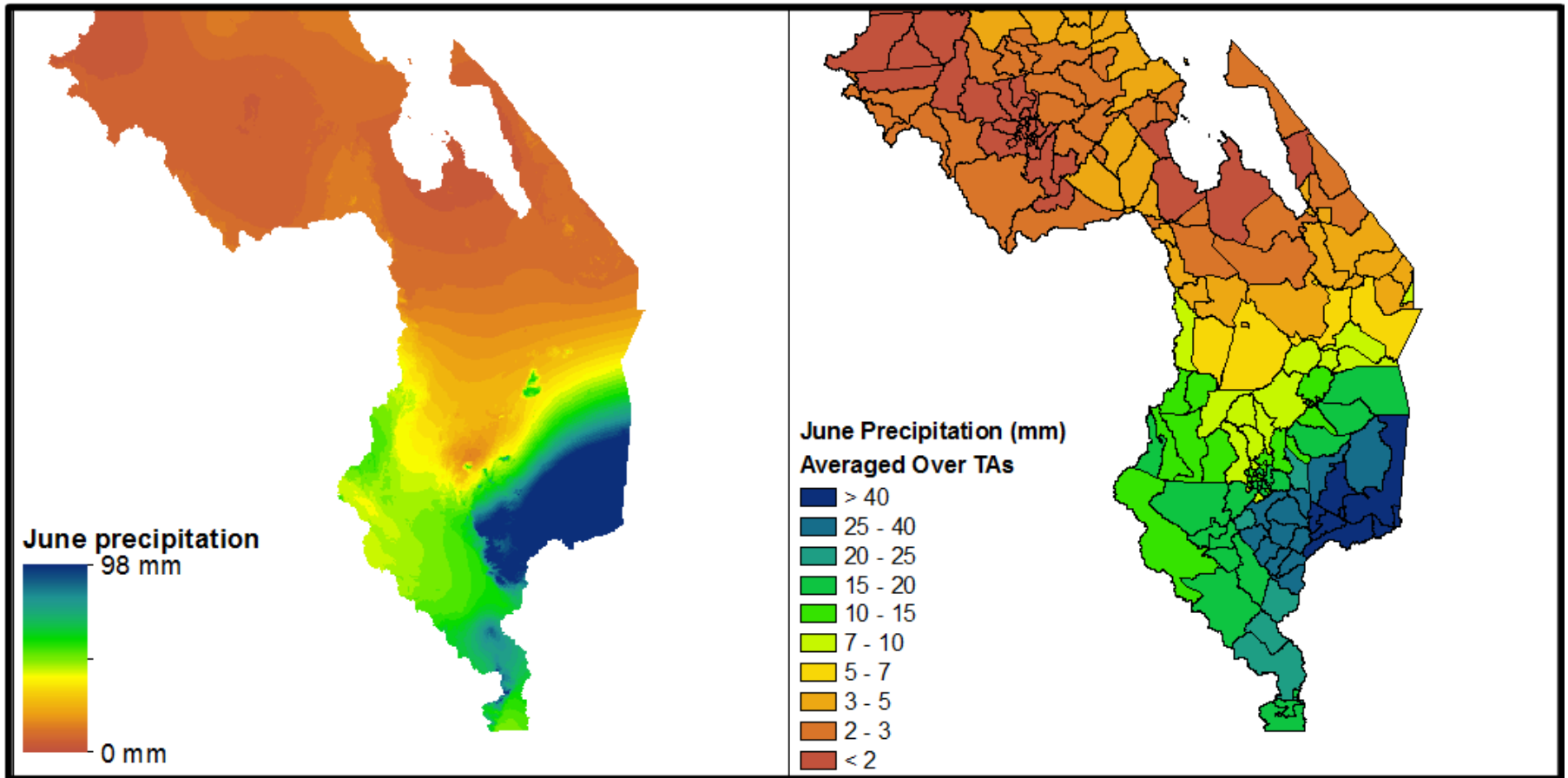


Raster → Area-Level



Area-Level Summary of Raster Data



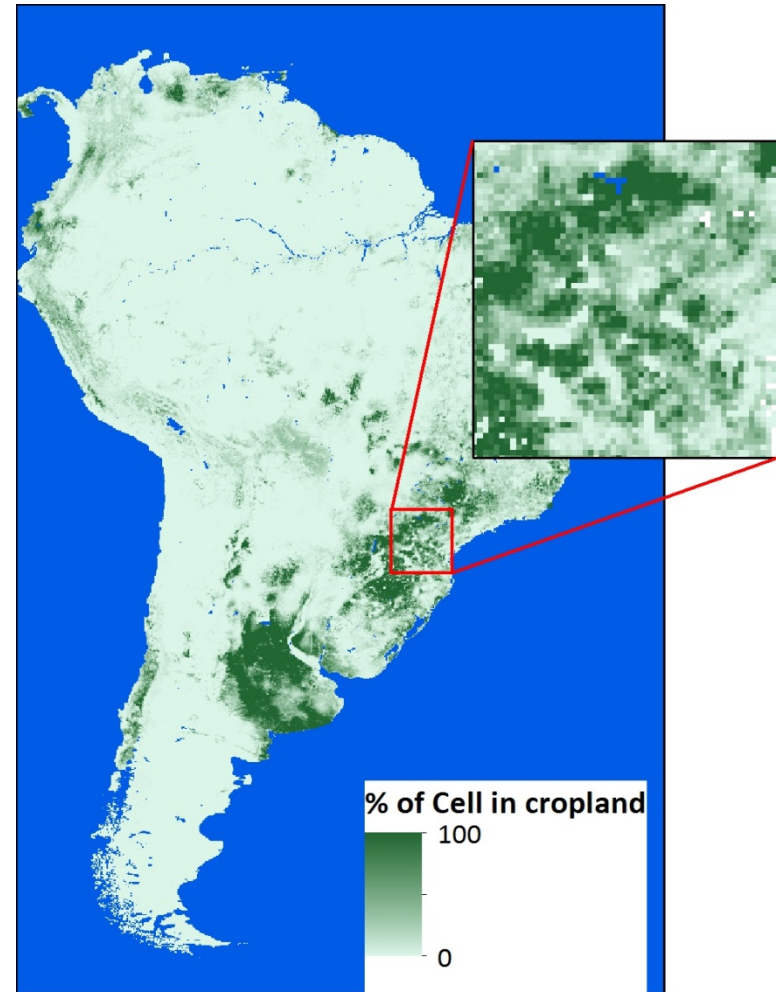
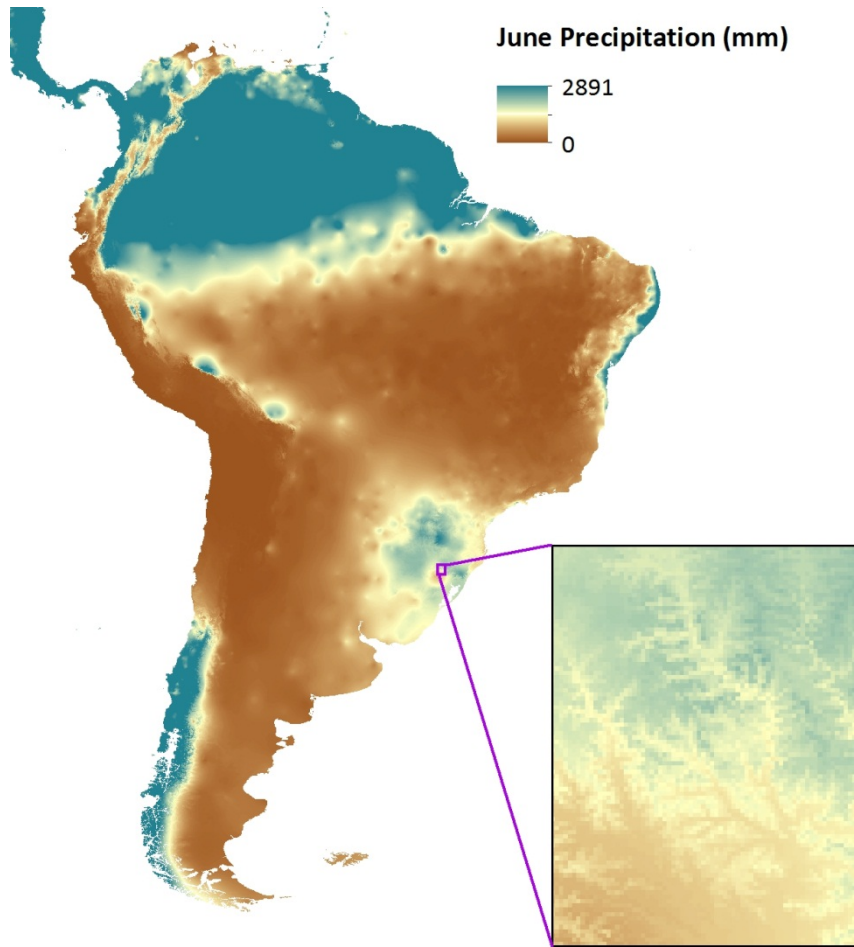
Assign one value to each geographic unit,
based on values of grid cells within that unit



Types of Raster Data



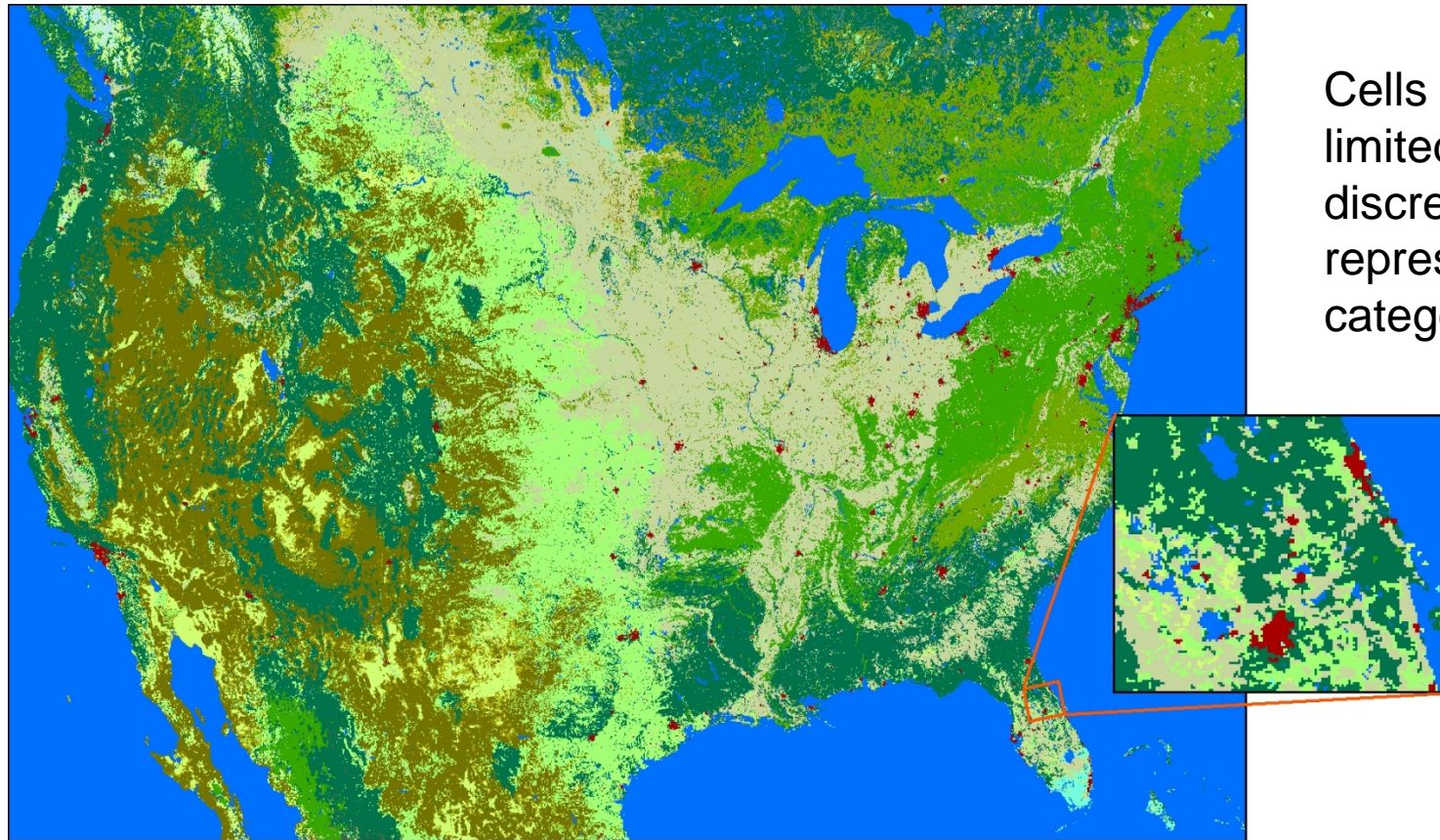
Continuous



Cells have numerical values representing a measurement



Categorical

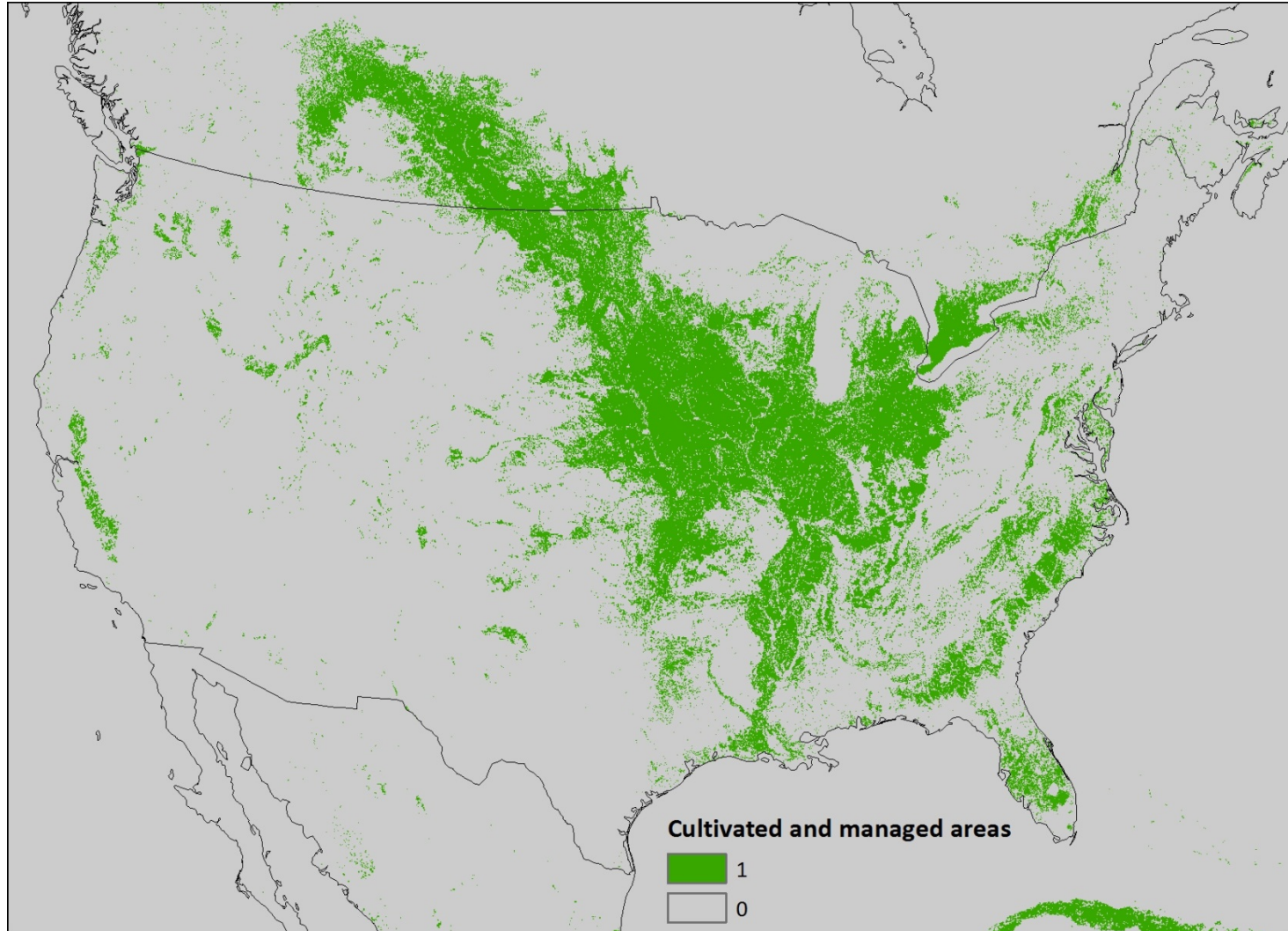


Cells have a limited set of discrete values representing categories

 Tree cover, broadleaved, evergreen	 Mosaic: Tree cover / Other natural vegetation	 Mosaic: Cropland / Tree Cover / Other Natural Vegetation
 Tree Cover, broadleaved, deciduous, closed	 Tree Cover, burnt	 Mosaic: Cropland / Shrub and/or Herbaceous cover
 Tree Cover, broadleaved, deciduous, open	 Shrub Cover, closed-open, evergreen	 Bare Areas
 Tree Cover, needle-leaved, evergreen	 Shrub Cover, closed-open, deciduous	 Water Bodies
 Tree Cover, needle-leaved, deciduous	 Herbaceous Cover, closed-open	 Snow and Ice
 Tree Cover, mixed leaf type	 Sparse Herbaceous or sparse shrub cover	 Artificial surfaces and associated areas
 Tree Cover, regularly flooded, fresh	 Regularly flooded shrub and/or herbaceous cover	 No data
 Tree Cover, regularly flooded, saline	 Cultivated and managed areas	



Binary



Cells have value 1 or 0, indicating presence or absence



Summary Operations



Operations depend on raster type

Raster Operation Selection ✕

Raster Operations: [?](#)

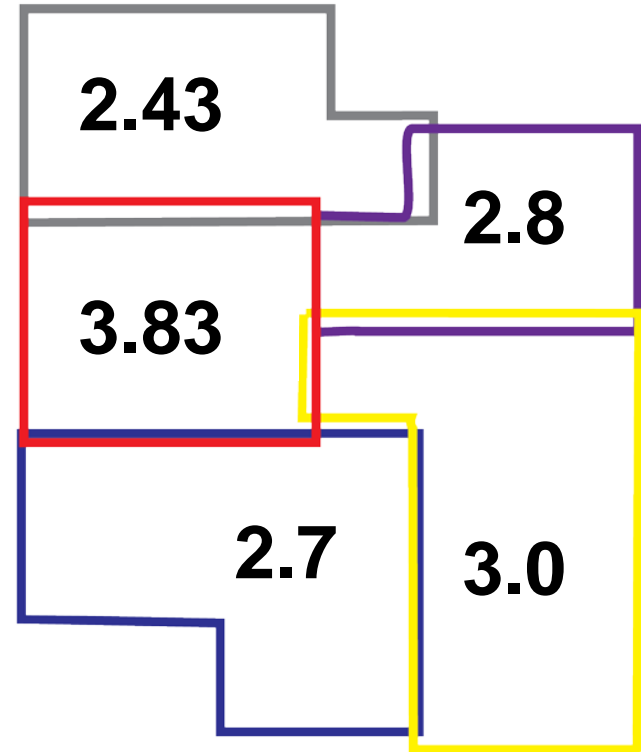
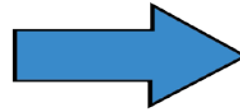
Dataset	Raster Variable	Type	min ?	max ?	mean ?	count ?	mode ?	num. classes ?	percent area ?	total area ?
Global Land Cover	Artificial Surfaces and Associated Areas	Binary					<input checked="" type="checkbox"/>	<input type="checkbox"/>		
WorldClim	precipitation, January	Continuous	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
Global Land Cover	Global Land Cover 2000	Categorical				<input type="checkbox"/>	<input type="checkbox"/>			
Agricultural Lands (GLI)	Area used as cropland	Continuous						<input type="checkbox"/>	<input type="checkbox"/>	



Mean

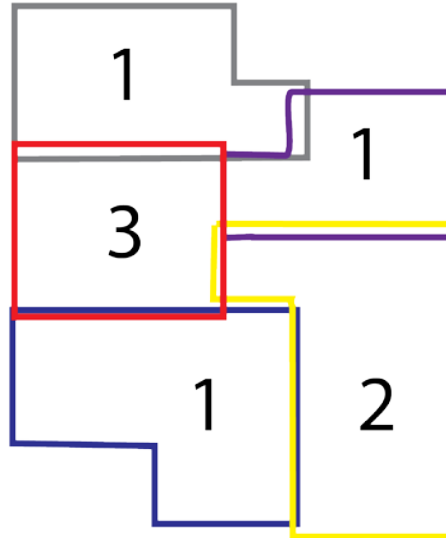
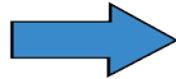
Average value of cells in each geographic unit
(continuous)

2	2	1	1	1	1
2	3	4	3	3	1
3	3	5	5	4	1
3	4	5	5	4	3
3	4	4	4	4	2
2	2	2	3	3	2
1	1	2	1	2	2



Min & Max

2	2	1	1	1	1
2	3	4	3	3	1
3	3	5	5	4	1
3	4	5	5	4	3
3	4	4	4	4	2
2	2	2	3	3	2
1	1	2	1	2	2

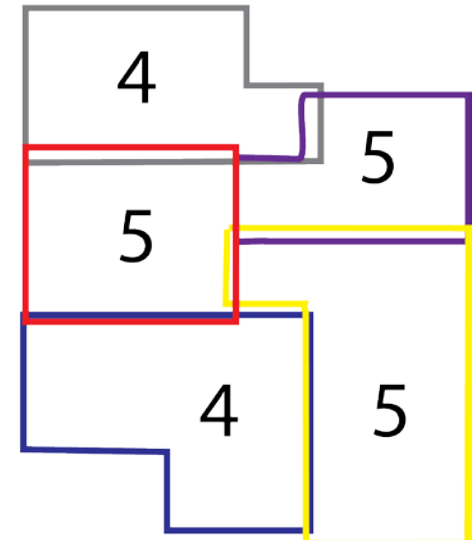
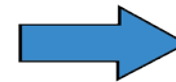


Lowest / Highest
cell value in each
geographic unit

(continuous)

Minimum

2	2	1	1	1	1
2	3	4	3	3	1
3	3	5	5	4	1
3	4	5	5	4	3
3	4	4	4	4	2
2	2	2	3	3	2
1	1	2	1	2	2

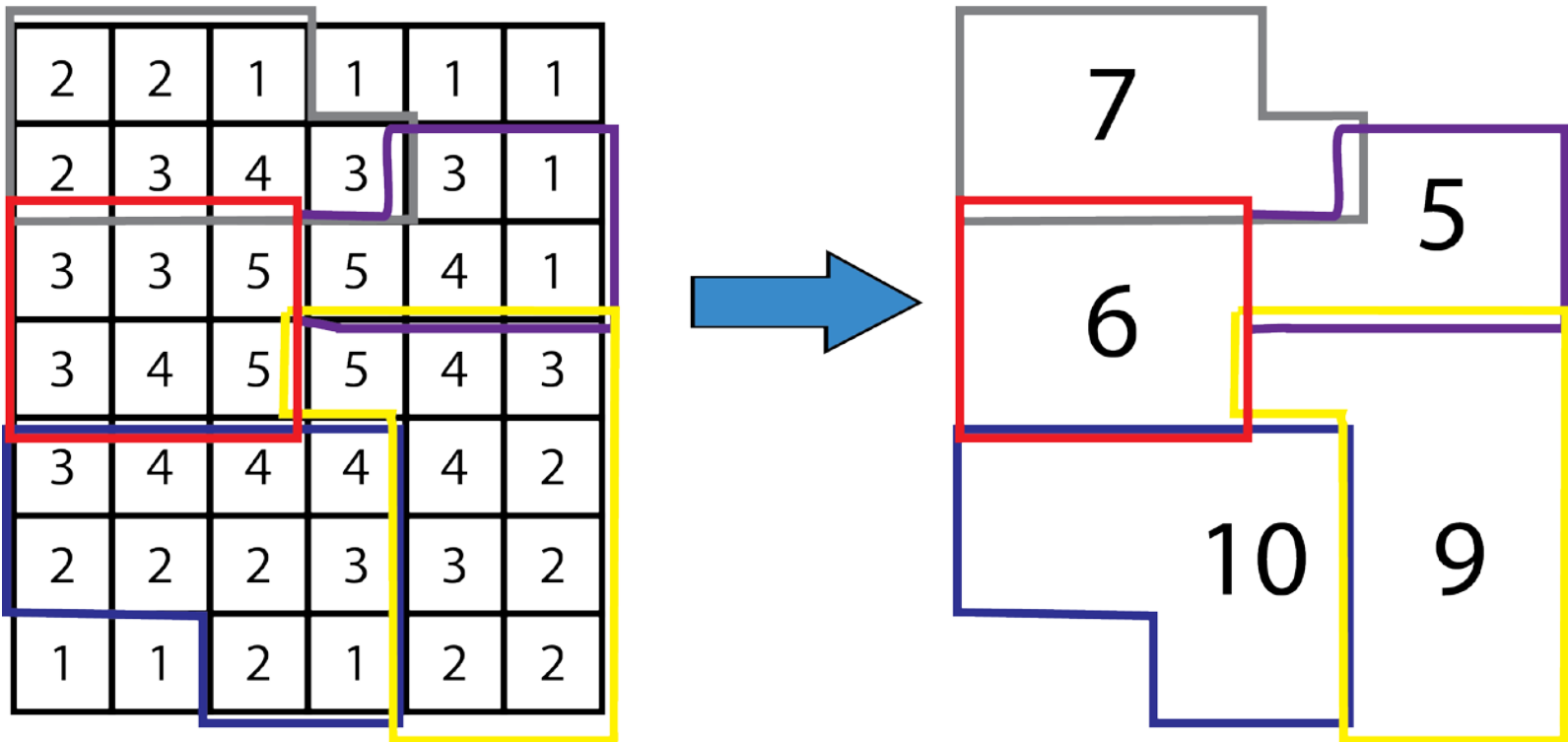


Maximum



Count

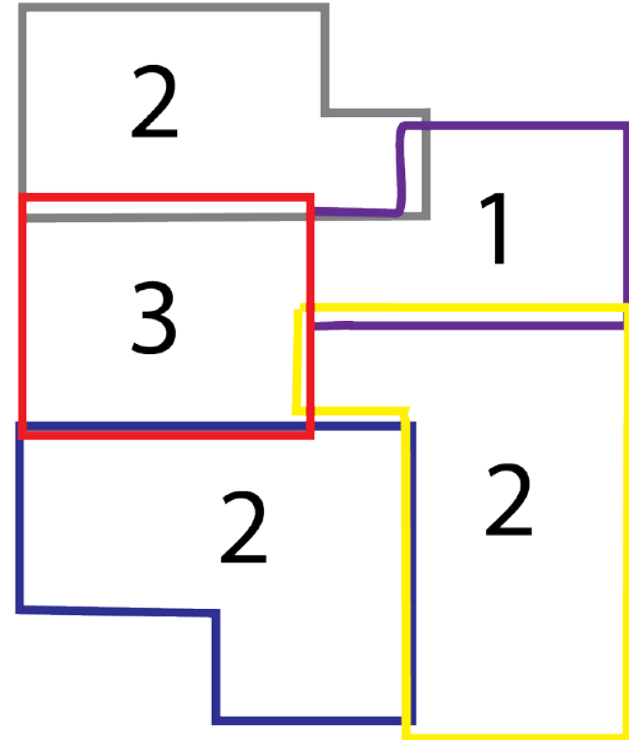
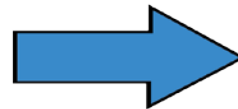
Number of cells in each geographic unit



Mode

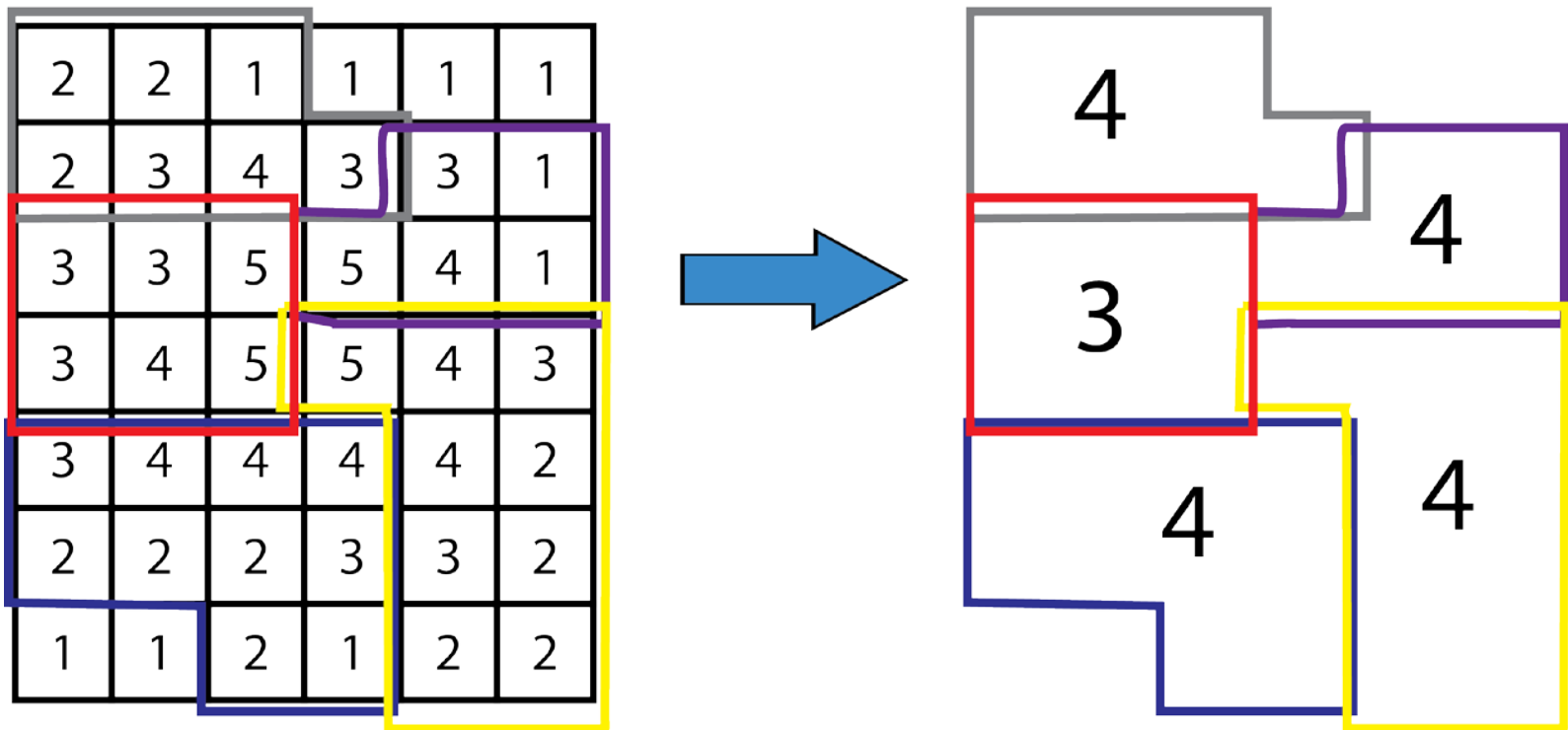
Cell value occurring most often in each geographic unit
(categorical)

2	2	1	1	1	1
2	3	4	3	3	1
3	3	5	5	4	1
3	4	5	5	4	3
3	4	4	4	4	2
2	2	2	3	3	2
1	1	2	1	2	2



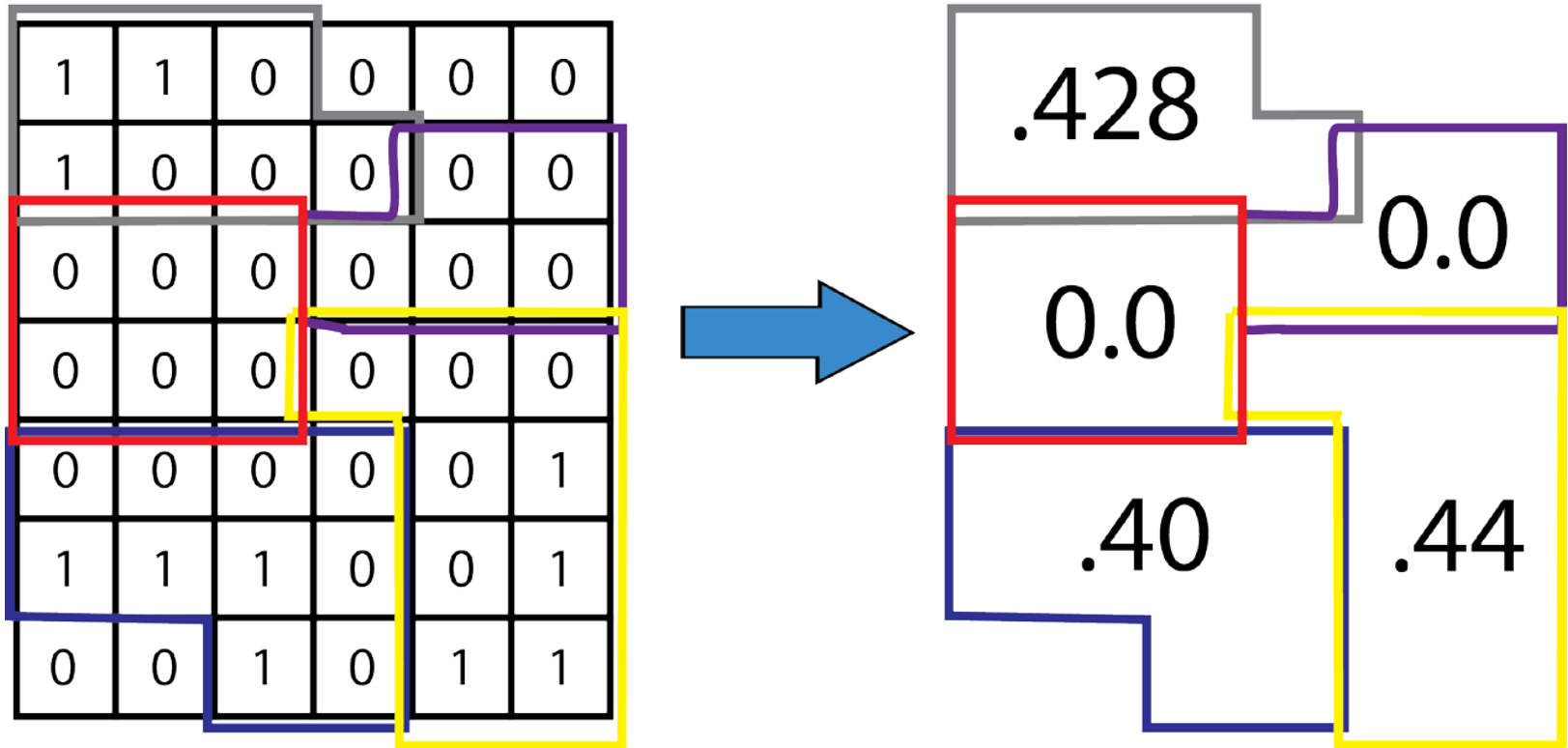
Num_Classes

Number of unique cell values in each geographic unit
(categorical)



Percent Area

Proportion of each geographic unit with a particular land use/land cover
(binary, continuous representing area)



Total Area

Total area within each geographic unit with a particular land use/land cover
(binary, continuous representing area)

