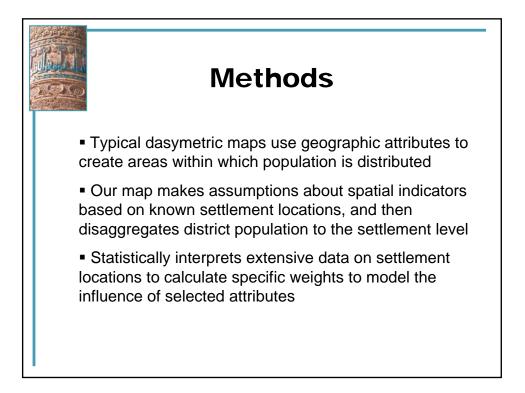


Research Goal

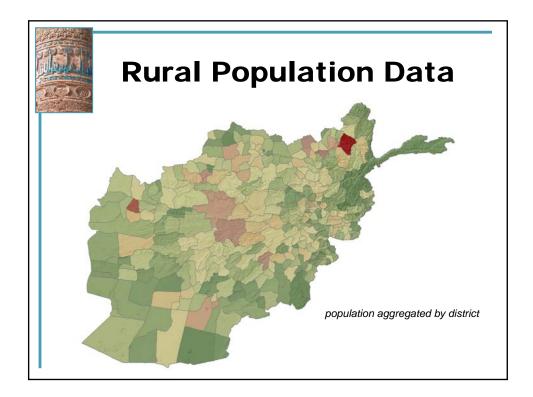


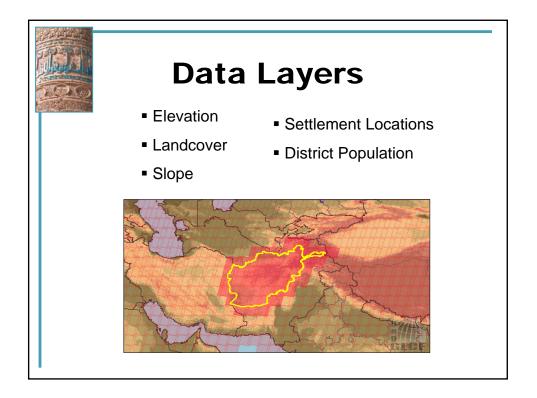
 Analyze existing data sources for clues to population distribution

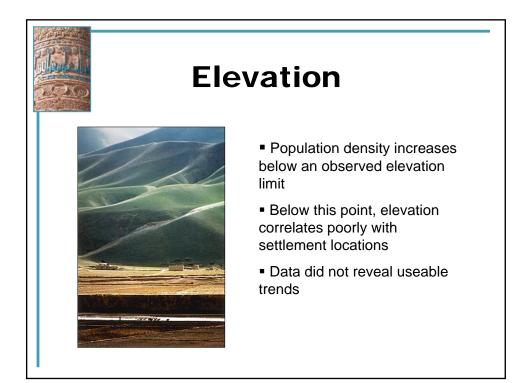
 Create a dasymetric map useful for vulnerability analysis

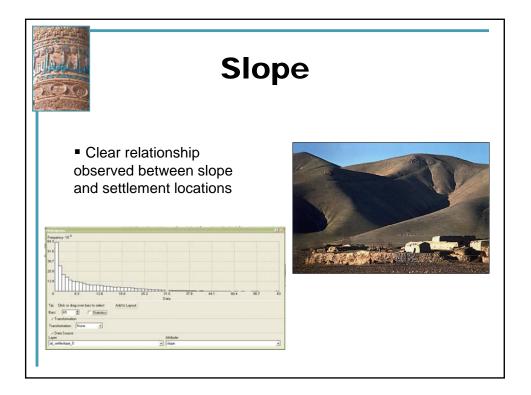


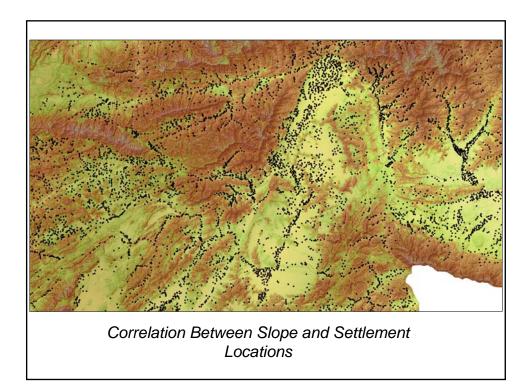


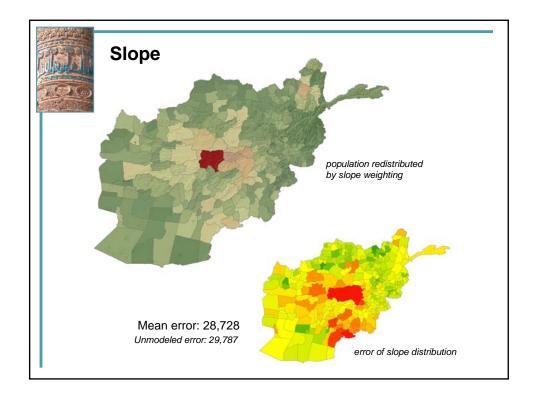


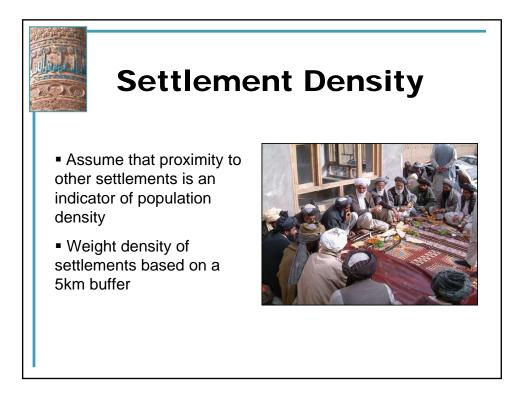


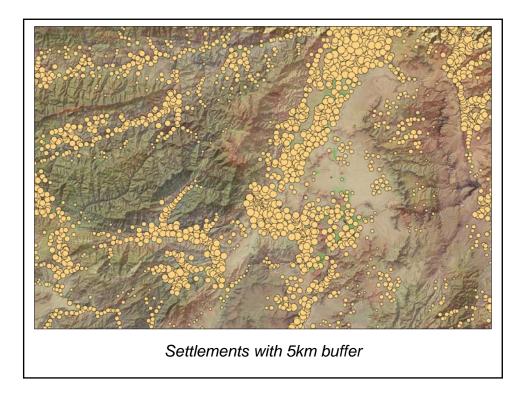


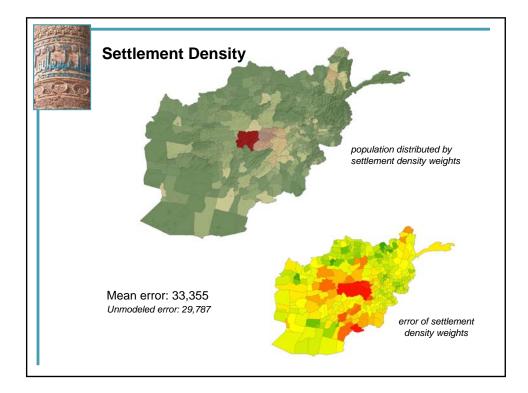


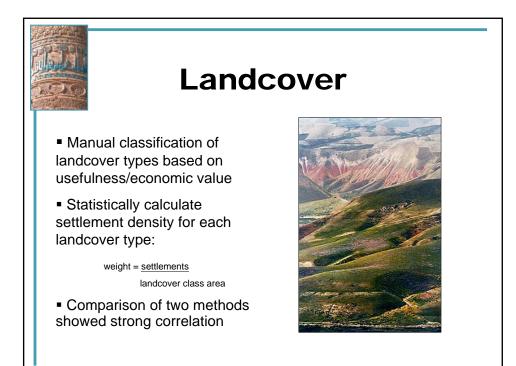


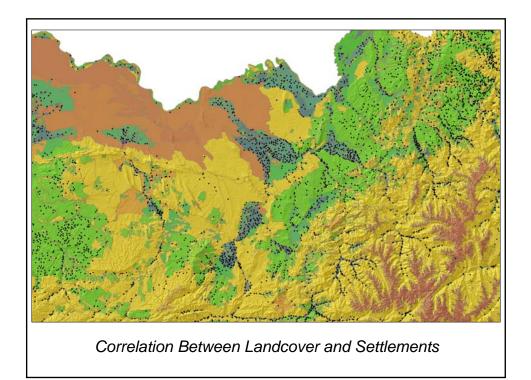




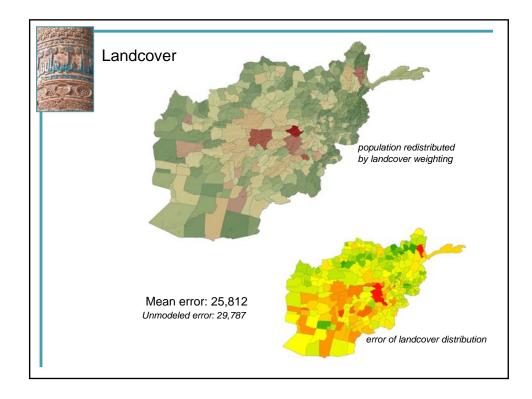


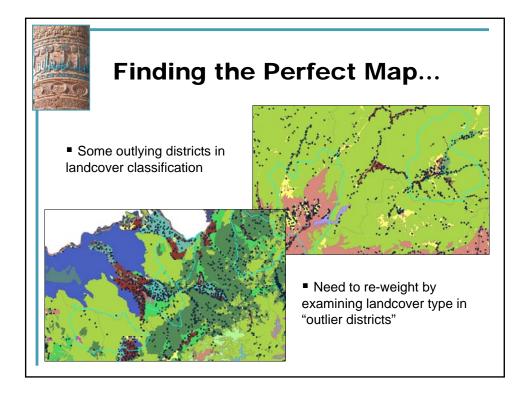




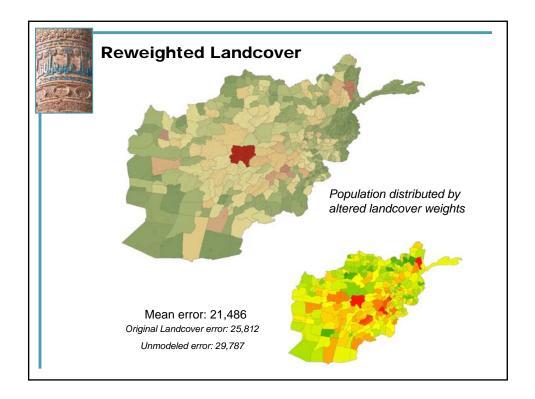


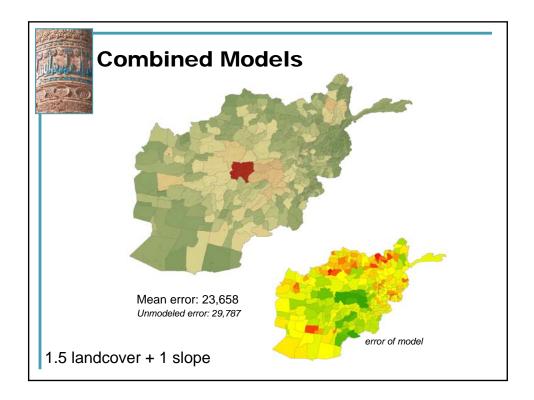
Landcover	Ours	Statistically Calculated
Permanent Snow	0	0.00
Sand Dunes	0	0.01
Sand Covered Areas	1	0.01
Pistachio Forest	1	0.04
Rock Outcrop / Bare Soil	1	0.14
Marshland Seasonal	0	0.25
Water Bodies	0	0.25
Rangeland (grassland/forbs/low shrubs)	1	0.27
Natural Forest (closed cover)	1	0.30
Natural Forest (open cover)	1	0.30
Degenerate Forest/High Shrubs	1	0.32
Rainfed Crops (sloping areas)	1	0.51
Marshland Permanently inundated	1	0.58
Rainfed Crops (flat lying areas)	2	0.64
Irrigated: Intermittently Cultivated	2	1.54
Settlements	5	2.25
Irrigated: Intensively Cultivated (2 Crops/year)	4	2.36
Gardens	3	2.60
Irrigated: Intensively Cultivated (1 Crop/Year)	5	3.26
Vineyards	4	4.80
Fruit Trees	3	5.00
How our landcover rankings comp calculated ranki		the statistic

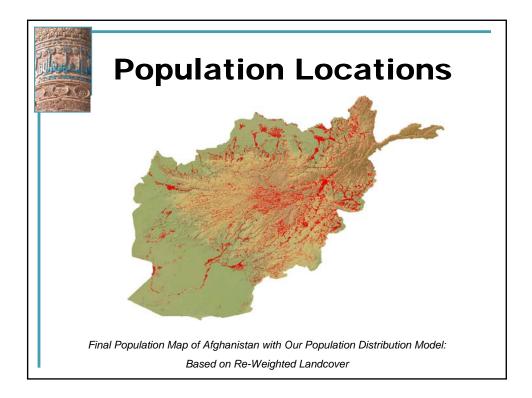


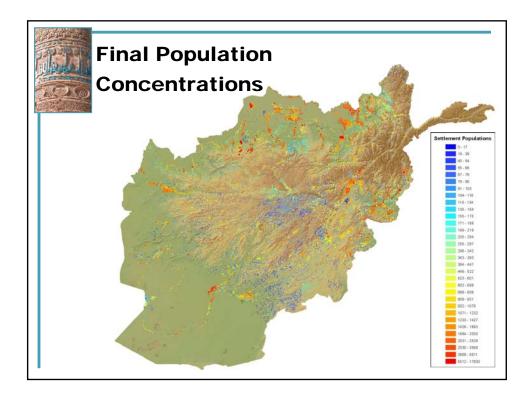


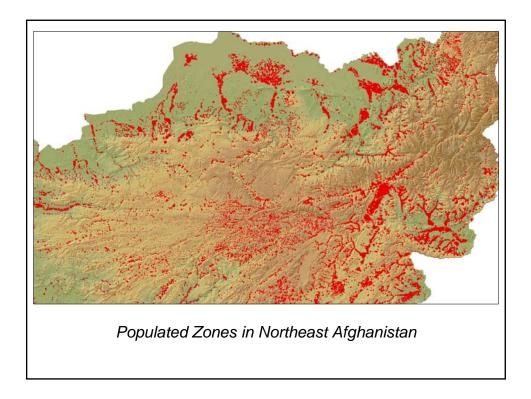
	Altered Lando	over	W	eights
20	Landcover	Statistically Calculated	Altered Weight	
	Permanent Snow	0.00	0	
	Sand Dunes	0.01	0	
	Sand Covered Areas	0.01	0.01	
	Pistachio Forest	0.04	0.05	
	Rock Outcrop / Bare Soil	0.14	0.17	
	Marshland Seasonal	0.25	0.31	
	Water Bodies	0.25	0.31	
	Rangeland (grassland/forbs/low shrubs)	0.27	0.33	
	Natural Forest (closed cover)	0.30	0.38	
	Natural Forest (open cover)	0.30	0.38	
	Degenerate Forest/High Shrubs	0.32	0.4	
	Rainfed Crops (sloping areas)	0.51	0.63	
	Marshland Permanently inundated	0.58	0.73	
	Rainfed Crops (flat lying areas)	0.64	2.5	
	Irrigated: Intermittently Cultivated	1.54	1.25	
	Settlements	2.25	1.25	
	Irrigated: Intensively Cultivated (2 Crops/year)	2.36	4.4	
	Gardens	2.60	3.25	
	Irrigated: Intensively Cultivated (1 Crop/Year)	3.26	5	
	Vineyards	4.80	3.75	
	Fruit Trees	5.00	3.75	

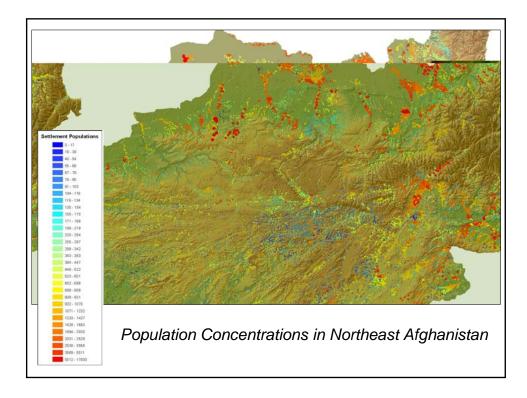


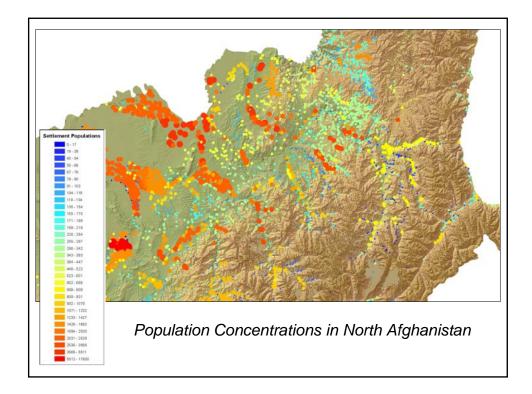


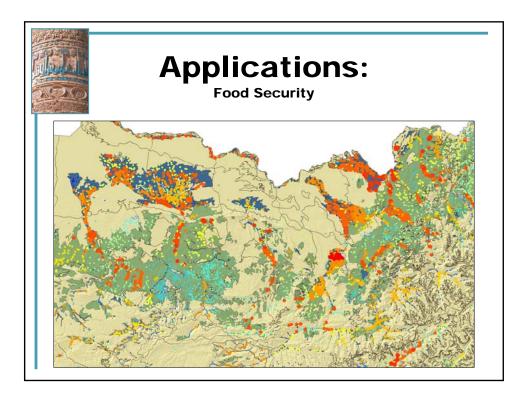


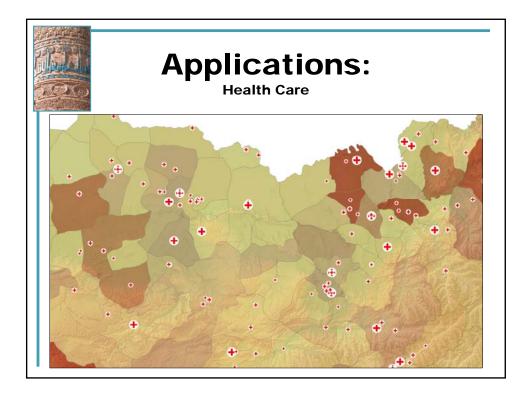


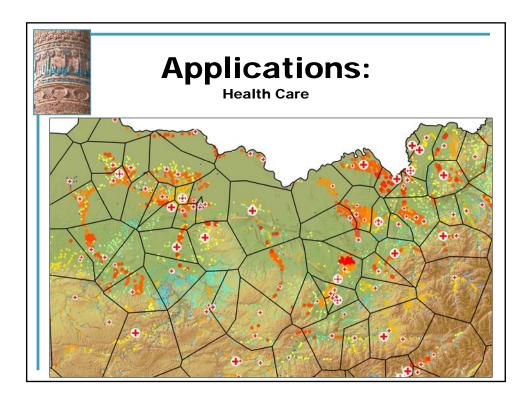














Limitations and Pitfalls

 Results highly dependent on accuracy of original data layers

• Ecological Fallacy: Results interpret global characteristics and apply similar behavior at the local level

• Still many outliers in the mode. Further correction and adjustment needed to fit a better model



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