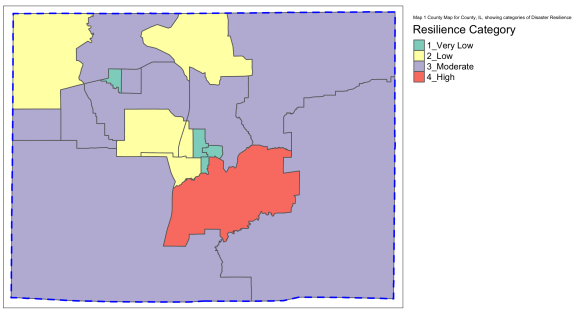
County Level Risk Assessment: Williamson County

Map 1: Census Tracts within Williamson



Number of Tracts in each Category

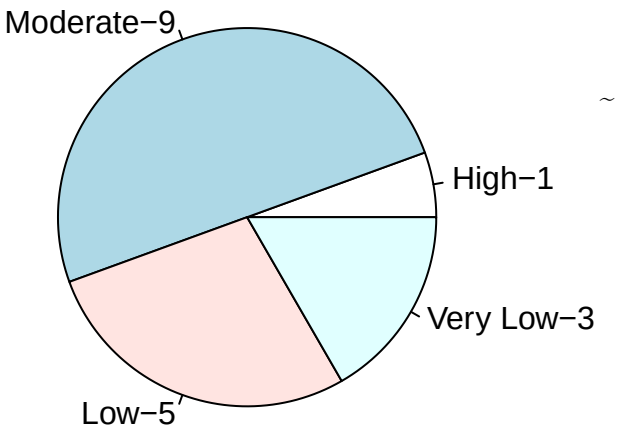


Table 1: Percentage of Census Tracts under each Resilience Category(County level)

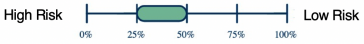
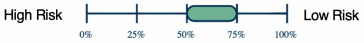
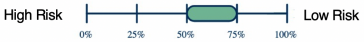
Very High	High	Moderate	Low	Very Low
0 %	6 %	50 %	28 %	17 %

Basic Statistics

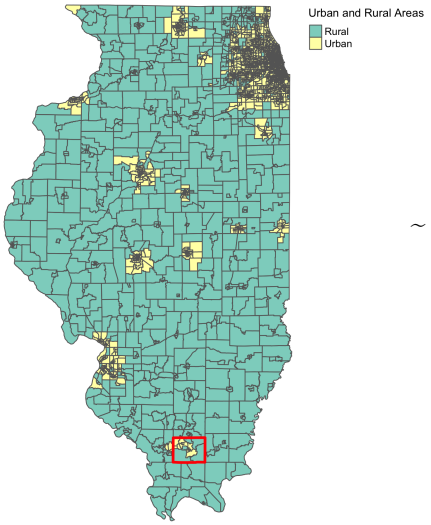
Table 2: Distribution of Census Tracts under Different Categories (Housing Resilience)

Information	Value
Population	66929 persons
Area sq. miles	421.01 sqm
Gross Density(persons/sq mil)	159 p/sqm
Avg HH Size	2.32 persons
Median HH Income	52076 USD

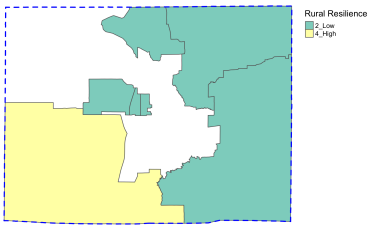
Indicator Group Rankings

c.group. . . High.Risk.Areas. . . . Low.Risk.Areas..	c.img..high..low.
	
Community	
High Risk Areas	Population, Educated_percent, Skilled_Percent, Percent_BachelorsDegree
Low Risk Areas	NotMarried_Percent, Disabled_Percent, FemaleHeaded_HHs_Percent, SingleParent_Percent, Working_Nonworking_ratio, Percent_Commuters, Percent_NoHealthIns
	
Economy	
High Risk Areas	Agro_Percent, UnstableEmployment_Percent, MBS, MBS_LQ, Service, Service_LQ, Sales, construction, PT_LQ, Agri_LQ, Manufacturing_LQ, Wholesale, Retail, Transport, Info, Finance, Finance_LQ, Edu, Edu_LQ, Arts, Arts_LQ
Low Risk Areas	MHHI, construction_LQ, PT, Agri, Manufacturing, Transport_LQ, Management, Management_LQ, Others_LQ, GINI_Index
Housing	
High Risk Areas	OldHomes, NewHomes, Overcrowding, Rental_Overcrowding, Cost_IncomeRatio, Renters_Cost_IncomeRatio, Rental_CostBurden_below20000, GroupQuarters
Low Risk Areas	Total, Homewownership, Rented, Units_SingleFamily, NoVehicle_Pop
	
Environment	
High Risk Areas	Avg_temp, Max_temp, Min_temp, CO8, Pb3, NO2AM, NO21, O3, PM10, PM2.5, PM2Point5, SO21
Low Risk Areas	Precipitation
Infrastructure	
High Risk Areas	NA
Low Risk Areas	NA

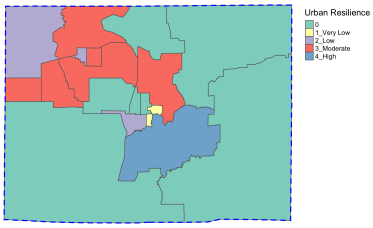
Map 2: State Map showing Urban & Rural Areas



Map 3: Rural Resilience



Map 4: Urban Resilience



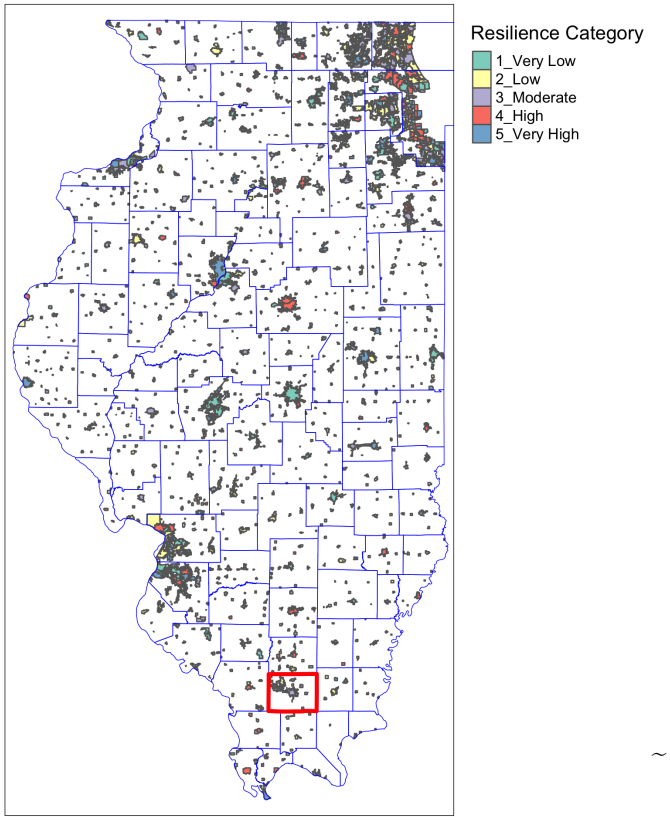
Rural Indicator Rankings

c.group	High.Risk.Areas	Low.Risk.Areas	c.img	high	low
Community					
High Risk Areas	Population, Young_percent, Females_Percent, LargeFam_Percent, Skilled_Percent, FemaleLaborforce_percent, PrimeWorkingAge_percent, Avg_HHsize, Percent_BachelorsDegree, Percent_Commuters				
Low Risk Areas		Old_percent, NonWhite_Percent, NotMarried_Percent, Disabled_Percent, FemaleHeaded_HHs_Percent, SingleParent_Percent, Percent_AssistanceNeed, Percent_NoHealthIns			
Economy					
High Risk Areas	Agro_Percent, UnstableEmployment_Percent, MBS, MBS_LQ, Service, Sales, PT_LQ, Agri, Agri_LQ, Manufacturing_LQ, Retail, Info, Finance, Edu, Edu_LQ, Arts, Arts_LQ				
Low Risk Areas		LowIncome_Percent, Unemployment_percent, construction_LQ, Wholesale, Wholesale_LQ, Management, Management_LQ, Others, Others_LQ, GINI_Index			
Housing					
High Risk Areas	Homewownership, OldHomes, NewHomes, Rented, Overcrowding, Rental_Overcrowding, Cost_IncomeRatio, MedianHomeValue, GroupQuarters				
Low Risk Areas		Total, MobileHomes, Renter_MHHI			
Environment					
High Risk Areas	Avg_Temp, Min_Temp, CO8, Pb3, NO2AM, NO21, O3, PM10, PM2.5, PM2Point5, SO21				
Low Risk Areas		Max_Temp, Precipitation			
Infrastructure					
High Risk Areas	Pubtrans_heavilyDependent, No_Pubtrans, Protective_Services				
Low Risk Areas		Pubtrans_Dependent, No_CommunicationSources			

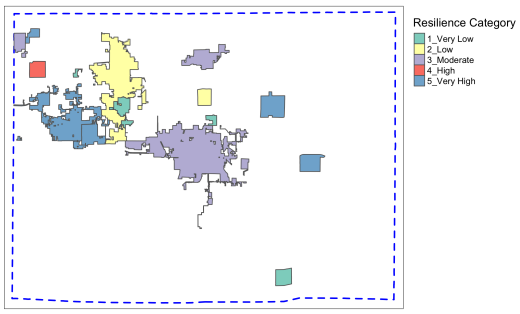
Urban Indicator Rankings

c.group	High.Risk.Areas	Low.Risk.Areas	c.img	high	low
Community					
High Risk Areas	NonWhite_Percent, Elderly_growth_percent, Working_Nonworking_ratio, HelperPool, Avg_HHsize, Percent_LanguageBarrier, Percent_Commuters				
Low Risk Areas		Young_percent, Old_percent, Females_Percent, Disabled_Percent, SingleParent_Percent, Percent_NoHealthIns			
Economy					
High Risk Areas	UnstableEmployment_Percent, Service_LQ, Manufacturing, Manufacturing_LQ, Wholesale_LQ, Retail_LQ, Finance_LQ, Edu, Edu_LQ, Others_LQ				
Low Risk Areas		MHHI, Agro_Percent, LowIncome_Percent, Sales_LQ, Agri, Agri_LQ, Transport, Transport_LQ, Arts, Others, GINI_Index			
Housing					
High Risk Areas	OldHomes, NewHomes, Rental_Overcrowding, Cost_IncomeRatio, GroupQuarters				
Low Risk Areas		Total, Vacancy, Units_SingleFamily, MobileHomes			
Environment					
High Risk Areas	Avg_Temp, Min_Temp, CO8, Pb3, NO2AM, NO21, PM10				
Low Risk Areas		Max_Temp, Precipitation			
Infrastructure					
High Risk Areas	Pubtrans_heavilyDependent, No_CommunicationSources, Protective_Services				
Low Risk Areas		No_Pubtrans			

Map 5: State-Level Places Map with Williamson County, IL



Map 6: Places Map for Williamson, IL, showing categories of Disaster Resilience



Number of Places in each Category

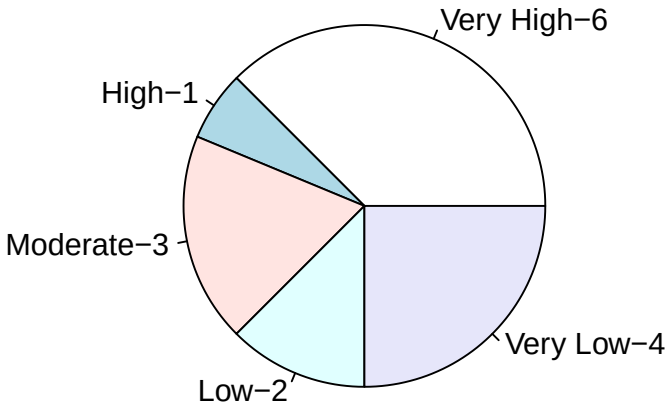
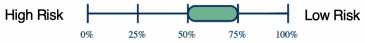
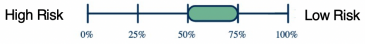


Table 6: Percentage of Census Places under each Resilience Category(County level)

Very High	High	Moderate	Low	Very Low
38 %	6 %	19 %	12 %	25 %

Places Indicator Rankings

c.group. . . High.Risk.Areas. . . . Low.Risk.Areas..	c.img..high..low.
Community	
High Risk Areas	Population, Educated_percent, Skilled_Percent, Working_Nonworking_ratio, HelperPool, FemaleLaborforce_percent, PrimeWorkingAge_percent, Percent_BachelorsDegree
Low Risk Areas	Young_percent, Old_percent, NonWhite_Percent, Females_Percent, NotMarried_Percent, Disabled_Percent, FemaleHeaded_HHs_Percent, SingleParent_Percent, Avg_HHsize, Percent_AssistanceNeed, Percent_Commuters, Percent_NoHealthIns
	
Economy	
High Risk Areas	WorkNearby_percent, MBS, MBS_LQ, Service, Service_LQ, Sales, Sales_LQ, construction, Wholesale, Retail, Retail_LQ, Transport, Info, Info_LQ, Finance, Management, Management_LQ, Edu, Edu_LQ, Arts, Arts_LQ
Low Risk Areas	Agro_Percent, UnstableEmployment_Percent, LowIncome_Percent, poverty, Unemployment_percent, PT, Agri, Agri_LQ, Manufacturing, Others_LQ, GINI_Index
	
Housing	
High Risk Areas	Homewownership, NewHomes, Units_SingleFamily, Overcrowding, Rental_CostBurden_below20000, Renter_MHHI, MedianHomeValue, GroupQuarters
Low Risk Areas	Total, Rented, Vacancy, MobileHomes, Rental_Overcrowding, Cost_IncomeRatio, NoVehicle_Pop
Environment	
High Risk Areas	Avg_Temp, Min_Temp, CO8, Pb3, NO2AM, NO21, O3, PM10, PM2.5, PM2Point5, SO21
Low Risk Areas	Max_Temp, Precipitation
Infrastructure	
High Risk Areas	NA
Low Risk Areas	NA