*The ACS tables (Demographics_and_Housing, Housing, Economic, and Social Characteristics) would all be connected in a one-to-one relationship using state as a foreign key. We didn't draw it because it would be hard to visualize.

Demographics_and_Housing

PK,FK	state	STRING
	Total_Population	INT64
	Male	INT64
	Females	INT64
	One_Race	INT64
	Two_or_more_races	INT64
	White	INT64
	Black_or_African_American	INT64
	American_Indian_and_Alaska_Native	INT64
	Asian	INT64
	Native_Hawaiian_and_Other_Pacific_Islander	INT64
	Some_other_race	INT64
	White_and_Black_or_African_American	INT64
	White_and_American_Indian_and_Alaska_Native	INT64
	White_and_Asian	INT64
	Black_or_African_American_and_American_Indian_and_Alaska_Native	INT64
	Hispanic_or_Latino	INT64
	Not_Hispanic_or_Latino	INT64
	Total_housing_units	INT64
	population_over_18	INT64
	male_population_over_18	INT64
	female_population_over_18	INT64

Location

	City	STRING
FK	State	STRING
PK, FK	combined_key	STRING

Day

PK	combined key	STRING
	last_update	DATETIME
FK	day_key	STRING

Cases

PK	day_key	STRING
	confirmed	INT64
	deaths	INT64
	recovered	INT64
	active	INT64

Housing_characteristics

PK, FK	state	STRING
	Total_housing_units	INT64
	Occupied_housing_units	INT64
	Vacant_housing_units	INT64
	Homeowner_vacancy_rate	NUMERIC
	Rental_vacancy_rate	NUMERIC
	one_unit_detached	INT64
	one_unit_attached	INT64
	units_2	INT64
	units_3_or_4	INT64
	units_5_9	INT64
	units_10_to_19	INT64
	twenty_or_more_units	INT64
	Mobile_home	INT64
	Built_2014_or_later	INT64
	Built_2010_to_2013	INT64
	Built_2000_to_2009	INT64
	Built_1990_to_1999	INT64
	Built_1980_to_1989	INT64
	Built_1970_to_1979	INT64
	Built_1960_to_1969	INT64
	Built_1950_to_1959	INT64
	Built_1940_to_1949	INT64
	Built_1939_or_earlier	INT64
	Median_rooms	NUMERIC
	No_bedroom	INT64
	Owner_occupied	INT64
	Renter_occupied	INT64
	Utility_gas	INT64
	Electricity	INT64
	Fuel_oil_kerosene	INT64
	Coal_or_coke	INT64
	Wood	INT64
	Solar_energy	INT64
	Other_fuel	INT64
	No_fuel_used	INT64
	Lacking_complete_plumbing_facilities	INT64
	Lacking_complete_kitchen_facilities	INT64
	units_with_a_mortgage	INT64
	units_paying_rent	INT64
	median_rent	INT64

Social_characteristics

PK,FK	state	STRING
	Total_households	INT64
	Married_couple_family	INT64
	Male_householder_no_spouse	INT64
	Female_householder_no_spouse	INT64
	Average_household_size	NUMERIC
	Average_family_size	NUMERIC
	Children	INT64
	Other_relatives	INT64
	Other_nonrelatives	INT64
	Male_Never_married	INT64
	Males_Separated	INT64
	Males_Separated	INT64
	Females_Never_married	INT64
	Females_Separated	INT64
	Females_Divorced	INT64
	Grandparents	INT64
	Less_than_9th_grade_education	INT64
	High_school_graduate	INT64
	Some_college_education	INT64
	Associate_degree	INT64
	Bachelor_degree	INT64
	Graduate_or_professional_degree	INT64
	Different_house_in_the_US	INT64
	Owns_house_Abroad	INT64
	Born_in_US	INT64
	Foreign_born	INT64
	Naturalized_citizen	INT64
	Not_a_us_citizen	INT64
	language_at_home_english_only	INT64
	language_at_home_other_than_english	INT64
	language_at_home_spanish	INT64
	owns_computer	INT64
	has_broadband_internet_subscription	INT64

economics

PK,FK	state	STRING
	Population_over_16	INT64
	labor_force	INT64
	Employed	INT64
	Unemployed	INT64
	Unemployment_Rate	NUMERIC
	Females_Employed	INT64
	drove_alone	INT64
	carpooled	INT64
	Public_transportation	INT64
	Walked	INT64
	Worked_from_home	INT64
	Mean_travel_time_to_work	NUMERIC
	occupation_Management_business_science	INT64
	Service_occupations	INT64
	Sales_and_office_occupations	INT64
	construction_and_maintenance_occupations	INT64
	Production_transportation_occupations	INT64
	Agriculture_forestry	INT64
	Construction	INT64
	Manufacturing	INT64
	Retail_trade	INT64
	Information	INT64
	Private_wage_and_salary_workers	INT64
	Government_workers	INT64
	Self_employed	INT64
	Unpaid_family_workers	INT64
	Median_family_income	INT64
	Mean_family_income	INT64
	Median_earnings_for_workers	INT64
	Median_earnings_for_workers_males	INT64
	Median_earnings_for_workers_females	INT64
	demo	INT64
	private_health_insurance	INT64
	public_health_insurance	INT64
	No_health_insurance_coverage	INT64
	families_below_poverty_level	NUMERIC