Users
- + email: varchar(250)
- + firstName: varchar(250)
- + lastName: varchar(250)
- + passwordHash: varchar(500)
- + homeZipCode: int
- + createdAt: datetime
- + deletedAt: datetime

CrimeEvents
- + crimeId: int
- + primaryType: varchar(50)
- + date: date
- + zipCode: int

ScrapedNews
- + newsId: int
- + zipCode: int
- + keywords: varchar(500)
- + releaseDate: date
- + title: varchar(500)
- + url: varchar(500)

ZipAreas
- + zipCode: int
- + jsonCoordinates: json
- + centerLatitude: decimal
- + centerLongitude: decimal
- + city: varchar(100)
- + stateCode: varchar(2)

HappinessSurveys
- + userEmail: varchar(250)
- + zipCode: int
- + userReportedHappinessScore: int
- + userComment: varchar(500)
- + createdAt: datetime

AreaFeatures
- + zipCode: int
- + population: int
- + populationDensity: decimal
- + unemploymentRate: decimal
- + shareOfCollegeEducation: decimal
- + medianRent: decimal
- + medianHomeValue: decimal
- + homeOwnershipRate: decimal
- + householdMedianIncome: decimal
- + avgFamilySize: decimal
- + shareOfMarried: decimal
- + medianAge: decimal

RegressionParameters
- + targetComponentId: int
- + populationParam: decimal
- + populationDensityParam: decimal
- + unemploymentRateParam: decimal
- + shareOfCollegeEducationParam: decimal
- + medianRentParam: decimal
- + medianHomeValueParam: decimal
- + homeOwnershipRateParam: decimal
- + householdMedianIncomeParam: decimal
- + avgFamilySizeParam: decimal
- + shareOfMarriedParam: decimal
- + medianAgeParam: decimal

ComponentHappinessScores
- + zipCode: id
- + economicWellbeingScore: decimal
- + environmentalAndSocietalWellnessScore: decimal
- + physicalAndMentalWellbeingScore: decimal
- + familyAndRelationshipsScore: decimal
- + totalHappinessScore: decimal

Relationships:
- Users 1..1 — 0..* ZipAreas
- Users 1..1 — 0..* HappinessSurveys
- CrimeEvents 0..* — 1..1 ZipAreas
- ScrapedNews 0..* — 1..1 ZipAreas
- ZipAreas 1..1 — 1..1 AreaFeatures
- ZipAreas 1..1 — 1..1 ComponentHappinessScores
- ZipAreas 0..* — 0..* HappinessSurveys