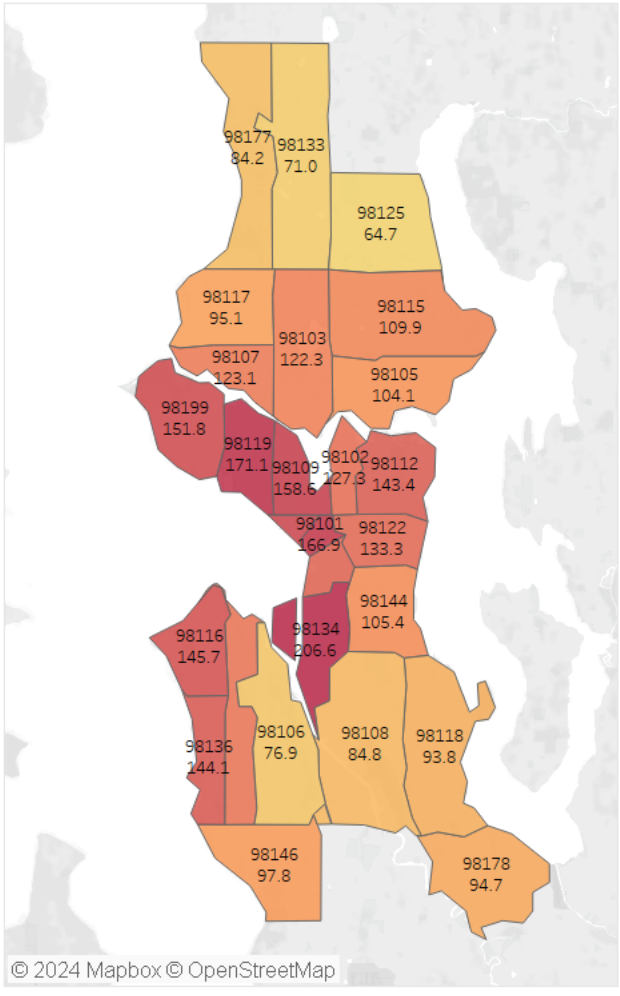
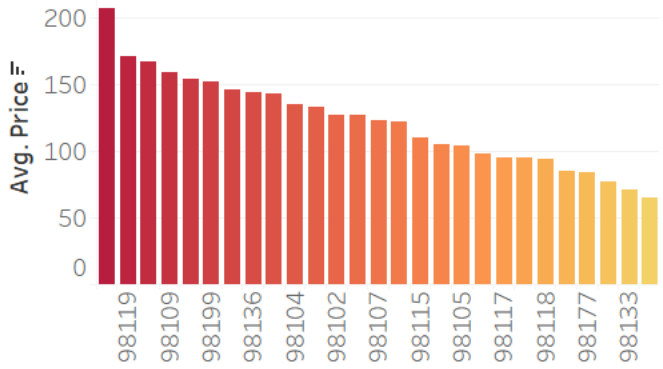
Zipcode
- 98101
- 98102
- 98103
- 98104
- 98105
- 98106
- 98107
- 98108
- 98109
- 98112
- 98115
- 98116
- 98117
- 98118
- 98119
- 98121
- 98122
- 98125
- 98126
- 98133
- 98134
- 98136
- 98144
- 98146
- 98177
- 98178
- 98199

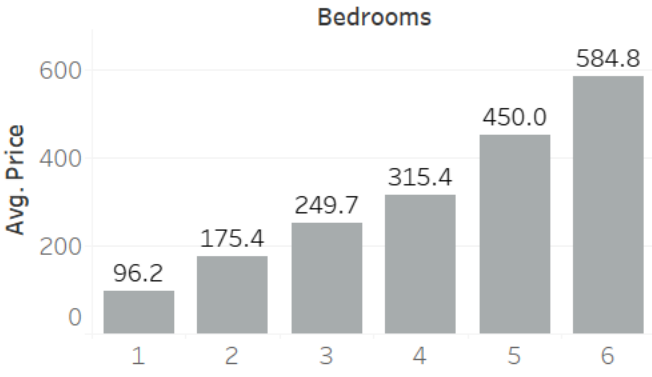
Price by Zipcode



Price by Zipcode



Avg. Price per # of Bedrooms



Revenue over 2016

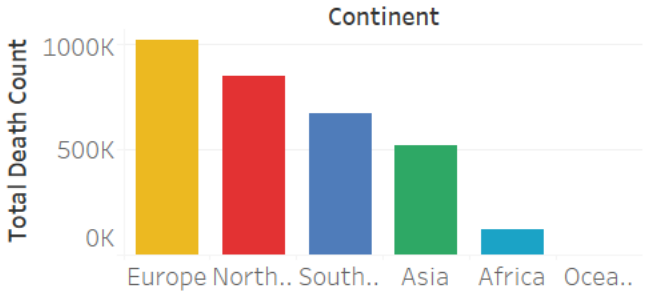
Distinct Listings by # of Bedrooms

Bed..	
1	1,811
2	483
3	206
4	55
5	20
6	5

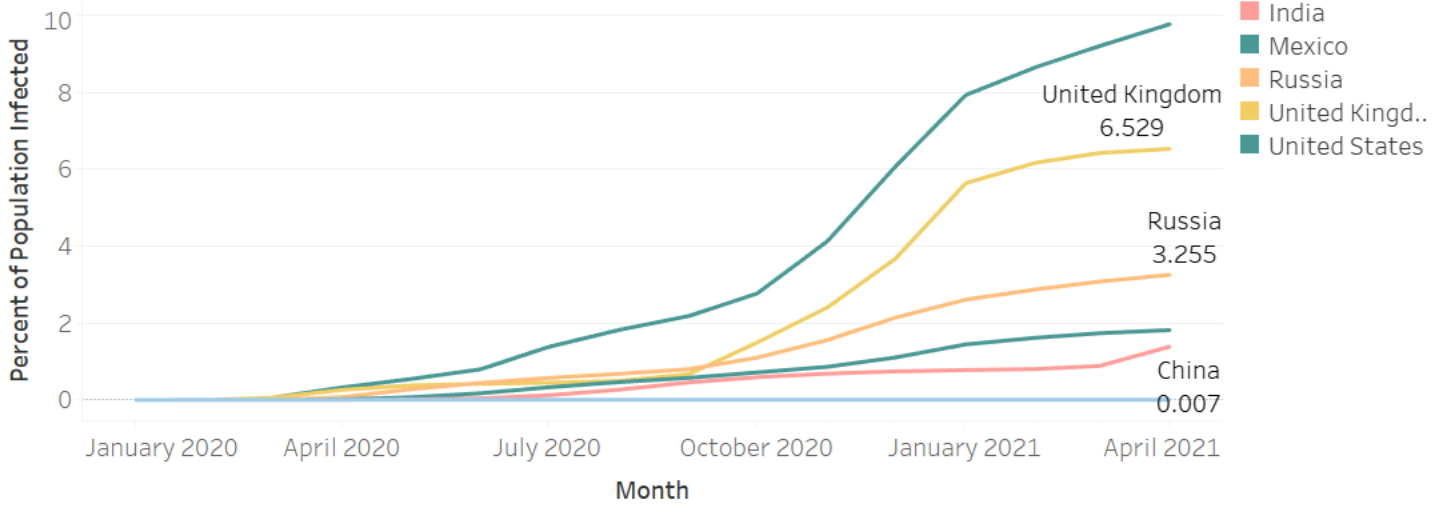
Global Cases and Mortality

Total Cases	Total Deaths	Mortality Rate
150,574,977	3,180,206	2.11

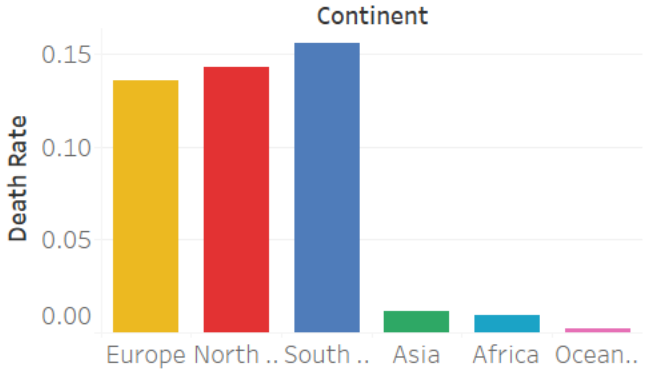
Total Deaths by Continent



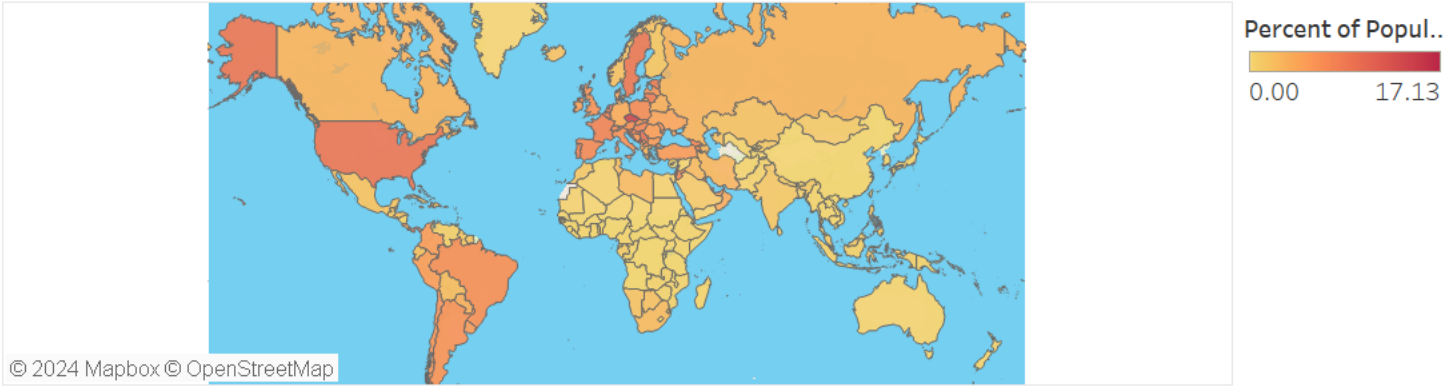
Infection Rates Over Time



Mortality Rate by Continent



Percent of Population Infected by Country



```sql
--Global cases and mortality
SELECT SUM(new_cases) AS 'Total Cases', SUM(CAST(new_deaths AS int)) 'Total Deaths',
    SUM(CAST(new_deaths AS int))/SUM(new_cases)*100 AS 'Mortality Rate'
FROM Portfolio_Project_Covid..CovidDeaths
WHERE continent IS NOT NULL
ORDER BY 1, 2



--Death Rate by continent
SELECT location, SUM(CAST(new_deaths AS int)) AS 'Total Death Count',
    SUM(CAST(new_deaths AS int)/population*100) AS 'Death Rate'
FROM Portfolio_Project_Covid..CovidDeaths
WHERE continent IS NULL
    AND location NOT IN ('World', 'European Union', 'International')
GROUP BY location
ORDER BY [Total Death Count] DESC

--Max. Infection Rate by country
SELECT location, population, MAX(total_cases) AS 'Max Infection Count',
    MAX(total_cases/population)*100 AS 'Max Infection Rate'
FROM Portfolio_Project_Covid..CovidDeaths
GROUP BY location, population
ORDER BY 4 DESC



--Highest Infection Rates across time and space
SELECT location, population, date, MAX(total_cases) AS 'Max Infection Count',
    MAX(total_cases/population*100) AS 'Infection Rate'
FROM Portfolio_Project_Covid..CovidDeaths
GROUP BY location, population, date
ORDER BY 5 DESC
```

SQL queries used to generate the Covid demo.
Data sourced from ourworldindata.org

Other queries on the same Covid data

```sql
--Global vaccination counts
SELECT deaths.continent, deaths.location, deaths.date, deaths.population,
    vacc.new_vaccinations,
    SUM(CONVERT(bigint, vacc.new_vaccinations)) OVER
        (PARTITION BY deaths.location ORDER BY deaths.location, deaths.date)
        AS 'Total Vacc. (by location and date)'
From Portfolio_Project_Covid..CovidDeaths AS deaths
JOIN Portfolio_Project_Covid..CovidVaccinations AS vacc
    ON deaths.location = vacc.location
    AND deaths.date = vacc.date
WHERE deaths.continent IS NOT NULL
    --AND deaths.location = 'Germany'
ORDER BY 2, 3
```

```sql
--CTE (common table expresssion): running vacc. stat
WITH CTE_VaccRate (continent, location, date, population, new_vaccinations, [Total Vacc. (by location and date)])
AS
(
SELECT deaths.continent, deaths.location, deaths.date, deaths.population,
    vacc.new_vaccinations,
    SUM(CONVERT(bigint, vacc.new_vaccinations)) OVER
        (PARTITION BY deaths.location ORDER BY deaths.location, deaths.date)
        AS 'Total Vacc. (by location and date)'
From Portfolio_Project_Covid..CovidDeaths AS deaths
JOIN Portfolio_Project_Covid..CovidVaccinations AS vacc
    ON deaths.location = vacc.location
    AND deaths.date = vacc.date
WHERE deaths.continent IS NOT NULL
)
SELECT *, ([Total Vacc. (by location and date)]/population)*100 AS 'Running Vacc. Rate (%)'
FROM CTE_VaccRate
WHERE location = 'Israel'
```

```sql
DROP TABLE IF EXISTS #PercentPopVacc
CREATE TABLE #PercentPopVacc (
    continent nvarchar(255),
    location nvarchar(255),
    date datetime,
    population numeric,
    new_vaccinations numeric,
    total_vacc numeric
)

INSERT INTO #PercentPopVacc
SELECT deaths.continent, deaths.location, deaths.date, deaths.population,
    vacc.new_vaccinations,
    SUM(CONVERT(bigint, vacc.new_vaccinations)) OVER
        (PARTITION BY deaths.location ORDER BY deaths.location, deaths.date)
        AS 'Total Vacc. (by location and date)'
From Portfolio_Project_Covid..CovidDeaths AS deaths
JOIN Portfolio_Project_Covid..CovidVaccinations AS vacc
    ON deaths.location = vacc.location
    AND deaths.date = vacc.date
--WHERE deaths.continent IS NOT NULL

SELECT *, (total_vacc/population)*100 AS 'Running Vacc. Rate (%)'
FROM #PercentPopVacc
```

```sql
--Finding countries with highest vacc. rate
WITH CTE_VaccMAX (continent, location, population, [Total Vacc. (by location and date)])
AS
(
SELECT deaths.continent, deaths.location, deaths.population,
    SUM(CONVERT(bigint, vacc.new_vaccinations)) OVER
        (PARTITION BY deaths.location ORDER BY deaths.location, deaths.date)
        AS 'Total Vacc. (by location and date)'
From Portfolio_Project_Covid..CovidDeaths AS deaths
JOIN Portfolio_Project_Covid..CovidVaccinations AS vacc
    ON deaths.location = vacc.location
    AND deaths.date = vacc.date
WHERE deaths.continent IS NOT NULL
)
SELECT continent, location, population,
    MAX([Total Vacc. (by location and date)]/population*100) AS 'Max. vacc. rate'
FROM CTE_VaccMAX
GROUP BY continent, location, population
ORDER BY [Max. vacc. rate] DESC
/*
Gibraltar (182.12%) and Israel (121.28%) have vax rates exceeding 100%.
Double vax?
*/
```