

■ 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

The map displays the following area codes and their associated values:

- 98177: 84.2
- 98133: 71.0
- 98125: 64.7
- 98117: 95.1
- 98103: 122.3
- 98115: 109.9
- 98107: 123.1
- 98105: 104.1
- 98199: 151.8
- 98119: 171.1
- 98109: 158.6
- 98102: 127.3
- 98112: 143.4
- 98101: 166.9
- 98122: 133.3
- 98144: 105.4
- 98134: 206.6
- 98116: 145.7
- 98136: 144.1
- 98106: 76.9
- 98108: 84.8
- 98118: 93.8
- 98146: 97.8
- 98178: 94.7

Year	Avg. Price
1981	205
198119	170
198109	160
198199	155
198136	145
198104	140
198102	135
198107	125
198115	110
198105	105
198117	95
198118	90
198177	85
198133	70

Bedrooms	Avg. Price
1	96.2
2	175.4
3	249.7
4	315.4
5	450.0
6	584.8

The chart displays the revenue trend over time. The y-axis represents revenue in thousands of USD, ranging from 0K to 2000K. The x-axis shows dates from March 20, 2016, to November 27, 2016. The revenue begins at 1000K, rises sharply to about 1500K by late March, and then continues to climb to a peak of approximately 2050K in early June. Following this peak, the revenue shows a slight dip and then remains relatively stable, fluctuating between 1900K and 2000K for the remainder of the period.

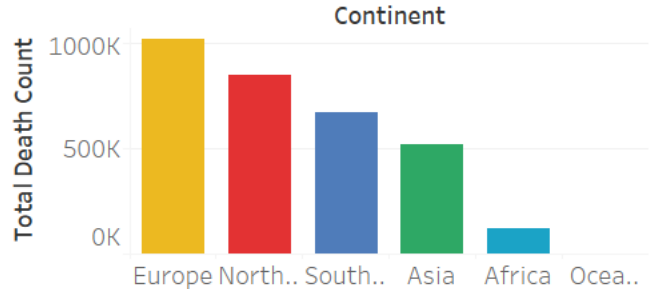
Date	Revenue in \$USD (K)
Mar 20, 16	1000
Apr 05, 16	1500
May 01, 16	1700
Jun 01, 16	1950
Jun 12, 16	2050
Jul 01, 16	1950
Aug 01, 16	1980
Sep 04, 16	1950
Oct 01, 16	1950
Nov 27, 16	2050

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

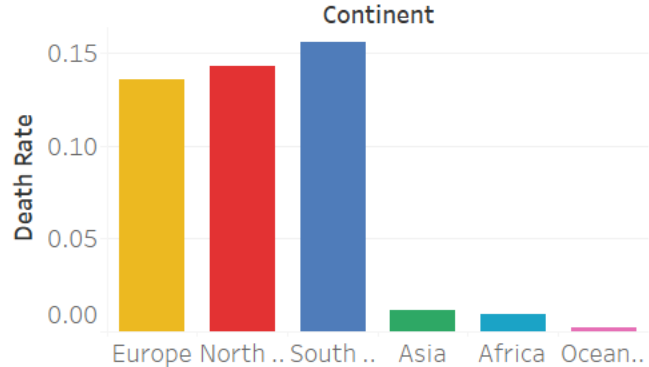
Global Cases and Mortality

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

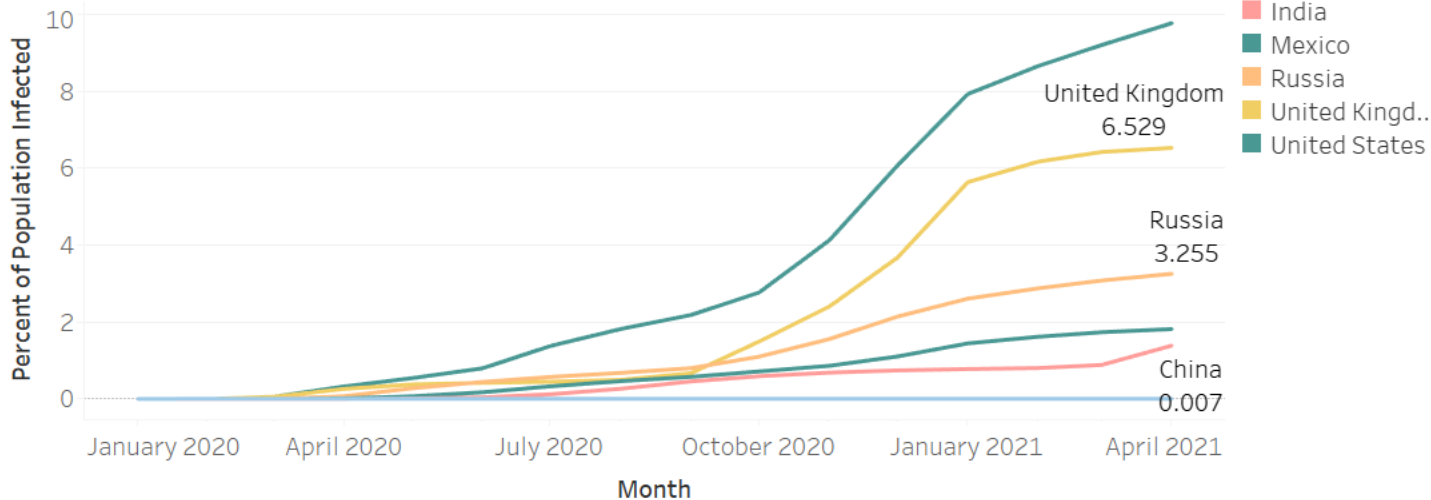
Total Deaths by Continent



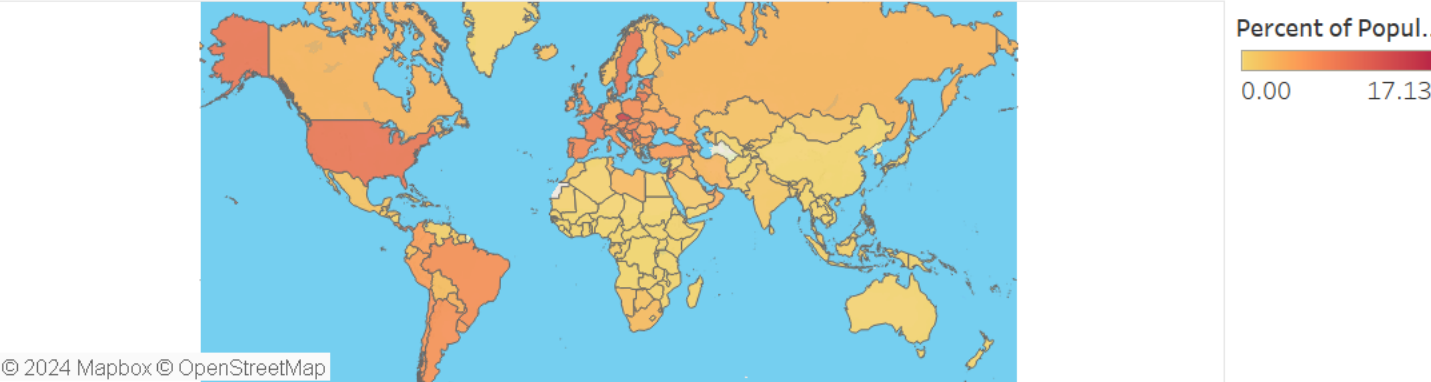
Mortality Rate by Continent



Infection Rates Over Time



Percent of Population Infected by Country



--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
```

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

--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
```

```

--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

--CTE (common table expression): 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'

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

--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?
*/

```

Other queries on the same Covid data