Study Questions/Answers

# Scatter/COVID data

## Practice

1. What was the approximate average daily case rate for France in December 2021?

"10K", "75K", "150K", "400K", "450K"

Study Answer: 75K

Calculated Answer: 74 120

1. Which country (Italy or United Kingdom) had a higher Covid rate in July 2021?

"Italy", "United Kingdom"

Study Answer: United Kingdom

Calculated Answer: UK

UK: 34 205

Italy: 2 907

1. Was Germany's Covid rate higher in March 2020 or March 2021?

"March 2020", "March 2021"

Study Answer: March 2021

Calculated Answer:

2020: 2 313

2021: 13 250

## Study

1. In India, in what year did the months August-September have more Covid cases: 2020 or 2021?

"2020", "2021"

Study Answer: 2020

Calculated Answer:

2020: 4 591 017

2021: 1 981 114

1. What was the approximate average Covid case rate for Uzbekistan in April 2020

"5", "50", "500"

Study Answer: 50

Calculated Answer: 61

1. Which country (India, the United States, or Yemen) had the most consistent case rate September-December 2021?

"United States", "Yemen", "India"

Study Answer: India

Calculated Answer:

US: 0.76

India: 0.60

Yemen: 0.92

1. Which country (Philippines, Yemen, or Nepal) had more cases in June-August of 2021?

"Philippines", "Yemen", "Nepal"

Study Answer: Philippines

Calculated Answer:

Phil: 759 556

Yemen: 1 283

Nepal: 201 345

1. Which of the following countries had a lower overall number of new Covid-19 cases in 2021?

"Pakistan", "Syria", "Vietnam"

Study Answer: Syria

Calculated Answer:

Pakistan: 813 755

Syria: 38 844

Vietnam: 1 729 792

1. What was the approximate minimum case rate in 2021 for Azerbaijan?

"10", "100", "1000"

Study Answer: 10

Calculated Answer: 0

1. Rank countries Syria, India, and Vietnam in terms of average case rate, from lowest to highest, for July 2021

"India, Syria, Vietnam", "Vietnam, Syria, India", "Syria, Vietnam, India"

Study Answer: 'Syria, Vietnam, India'

Calculated Answer:

Syria: 14

Vietnam: 4 509

India: 39 926

1. What range of case rates were seen in Cambodia in 2021?

"1 to 10K", "10K to 100K", "100 to 100K", "1 to 1M"

Study Answer: 1 to 10K

Calculated Answer:

Min: 0

Max: 1130

# Temperature/MAP

# Practice

1. What was the approximate average temperature for Whitehorse in February 2020

"-25", "-15", "0", "+10"

Study Answer: -15

Calculated Answer: -14.6

1. Which city (Faro or Dawson City) had more days above +25 in 2020?

"Faro", "Dawson City"

Study Answer: Dawson City

Calculated answer:

Faro: 0

Dawson City: 2

1. Approximately how many days were below -20 in Whitehorse in 2020

["0", "10", "20", "30"]

Study Answer: 20

Calculated answer: 18

# Study

1. For the city of Kodiak, in what year were the months January-March colder: 2020 or 2021?

"2020", "2021"

Study Answer: 2021

Calculated Answer:

2020: -12.8

2021: -15.3

1. What was the approximate average temperature for Fairbanks in July 2021?

"22", "18", "14", "10", "6"

Study Answer: 10

Calculated Answer: 11.2

1. Which city (Haines, Healy, Kodiak, or Homer) had the most consistent temperature between September and December 2020?

"Haines", "Healy", "Kodiak", "Homer"

Study Answer: Healy

Calculated answer (st dev)

Haines: 11.23

Healy: 9.56

Kodiak: 10.0

Homer: 10.3

1. Which city (Bethel, Talkeetna, Barrow, or Juneau) had a 2020 summer (June-August) that was substantially colder than in 2021?

"Bethel", "Talkeetna", "Barrow", "Juneau"

Study Answer: Talkeetna

Calculated Answer: Talkeetna

Talkeetna 2020: 9.25

Talkeetna 2021: 15.5

1. What was the approximate minimum temperature in 2021 for Kotzebue

"-34", "-27", "-22", "-17"

Study Answer: -34

Calculated Answer: -38.6

1. Rank cities Bethel, Nome, and Healy from warmest to coldest for August 2021

"Bethel, Nome, Healy", "Healy, Nome, Bethel", "Nome, Bethel, Healy",

"Bethel, Healy, Nome"

Study Answer: healy, nome, bethel

Calculated Answer:

Bethel: 13.4

Nome: 16.8

Healy: 19.1

1. What range of temperatures were seen in Fairbanks in 2021?

"-25 to +5", "-15 to +10", "-30 to +15", "-20 to +25", "-25 to +25"

Study Answer: -30 to +15

Calculated Answer: -35 to 18

1. Which city had a higher temperature in March 2020, Unalaska or Bethel?

"Unalaska", "Bethel"

Study Answer: Unalaska

Calculated answer: unalaska

Unalaska: -4

Bethel: -9

# Migration/Graph data

## Practice

1. Which had higher overall movement 2000-2014: Italy to France, or Romania to Germany

"Italy to France", "Romania to Germany"

["Italy to France", "Romania to Germany"]

Study Answer: Italy to France

Calculated Answer:

Italy to France: 69 906

Romania to Germany: 21 392

Changed:

2000-2015 to 2000-2014 bc Romania to Germany had a rly big year in 2015 (~500 000 ppl) which skewed the result

1. What was the approximate immigration level for Romania to Germany in 1996, in millions?

"500", "5K", "50K", "500K"

Study Answer: 5K

Calculated answer: 6 467

1. Which connection has the most missing data?

["Romania to Germany", "Italy to France", "Bulgaria to Turkey"]

Study Answer:

'Bulgaria to Turkey'

Calculated Answer:

'Bulgaria to Turkey: 30

## Study

1. For immigration from France to Spain, was the level higher in 1994 or 2008?

["1994", "2008"]

Study Answer: 2008

Calculated Answer:

1994: 2773

2008: 12 410

1. What was the approximate level of immigration from Germany to Austria in 2003?

"1K", "7K", "15K", "100K", "150K", "500K"

Study Answer: 15K

Calculated Answer: 15 976

1. Which of the following pairs saw the largest increase in immigration from 1995 to 2005?

["Germany to France", "Bulgaria to Germany", "India to Canada", "Romania to Spain"]

Study Answers: Romania to Spain

Calculated Answers:

Romania to Spain average 30 156

1. Which connection has the lowest overall level of immigration across the years 1980-2010?

"New Zealand to Australia", "Romania to Italy", "France to Spain", "Germany to Italy"

Study Answer: Romania to Italy

Calculated Answer:

Romania to Italy: 33 249

1. What was the maximum immigration level from Colombia to Spain in any year before 2005?

["10K", "80K", "120K", "500K"]

Study Answer: 80K

Calculated Answer: 71575

1. Rank the connections (Tajikistan to Russia, Germany to Poland, Romania to Italy) from most to least immigration, for year 2000

["Tajikistan to Russia; Germany to Poland; Romania to Italy", "Germany to Poland; Tajikistan to Russia; Romania to Italy", "Romania to Italy; Germany to Poland; Tajikistan to Russia"]

Study Answer: Germany to Poland; Tajikistan to Russia; Romania to Italy

Calculated Answer:

Tajikistan to Russia: 11 043

Germany to Poland: 71 409

Romania to Italy:2 142

1. What range of immigration levels were seen for China to Canada from 1980 to 2020?

["1K to 50M", "1K to 1M", "500 to 500K", "10K to 1M"]

Study Answer: 1K to 1M

Calculated Answer: 1 527 to 711 555

Which connection had a higher immigration level in 1987?

["Philippines to Australia", "Pakistan to Canada"]

Study Answer: Philippines to Australia

Calculated Answer:

Philippines to Australia: 9 870

Pakistan to Canada: 1072

1. Which connection had a higher immigration level in 1987?

"Philippines to Australia", "Pakistan to Canada"

Study Answer: Phil to Australia