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

Changed from

"choices": ["150", "250", "325", "400", "450"],

"answer": '400',

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 the United States, in what year did the months August-September have more Covid cases: 2020 or 2021?

"2020", "2021"

Study Answer: 2021

Calculated Answer:

2020: 44 218

2021: 138 188

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

"5", "50", "500"

Study Answer: 50

Calculated Answer: 61

Changed from

"choices": ["200", "2000", "10000"],

"answer": '200',

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

Changed from

"choices": ["Sri Lanka", "Cambodia", "India"],

"answer": 'Sri Lanka',

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 number of new Covid-19 cases per day in December 2020 for the United States?

"10K", "200K", "1M"

Study Answer: 200k

Calculated Answer: 206 755

Changed From

"choices": ["10K", "100K", "1M"],

"answer": '1M'

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

Changed from

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

To

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

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

Changed from

"choices": ["10 to 1M", "100 to 100K", "10 to 10K", "10K to 100K"],

"answer": '10 to 10K'

# 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