Contents

1   Step 3 Look at the datasets

1.1 Region

As we can see on the website, Region metrics are available for regions of England. I am interested in the South West and metrics that start with "New":

```
## [1] "areaCode"
## [2] "areaName"
## [3] "areaType"
## [4] "date"
## [5] "newPeopleVaccinatedFirstDoseByVaccinationDate"
## [6] "newPeopleVaccinatedSecondDoseByVaccinationDate"
## [7] "newPeopleVaccinatedThirdInjectionByVaccinationDate"
```

We have additional columns. Let's look at them.

areaCode

```
## [1] "E12000009"
```

areaName

```
## [1] "South West"
```

areaType

```
## [1] "region"
```

areaCode	areaName	areaType	date	First	Second	Third	MonthYear
E12000009	South West	region	2022-01-26	986	2520	4034	1.2022
E12000009	South West	region	2022-01-25	899	1845	4283	1.2022
E12000009	South West	region	2022-01-24	723	1445	3441	1.2022
E12000009	South West	region	2022-01-23	1035	3007	3439	1.2022
E12000009	South West	region	2022-01-22	1822	4709	5896	1.2022
E12000009	South West	region	2022-01-21	1085	2362	4944	1.2022

| date	MonthYear	Dose	Count
2022-01-26	1.2022	First	986
2022-01-25	1.2022	First	899
2022-01-24	1.2022	First	723
2022-01-23	1.2022	First	1035
2022-01-22	1.2022	First	1822
2022-01-21	1.2022	First	1085

So, we do not need to look at them in the future because these columns are used for filtering that we have already done on the website.

Let's prepare data for the plotting.

- Rename columns and columns

- Create long table

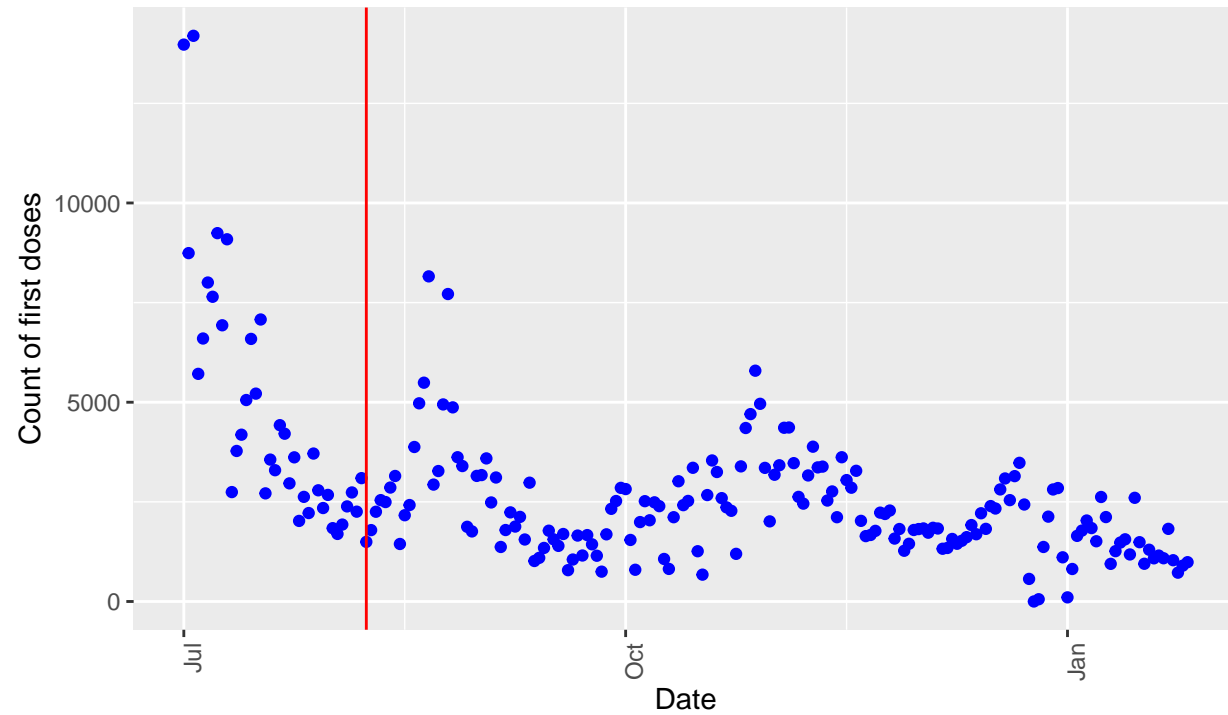Let's plot something.

1.1.1 Question 0
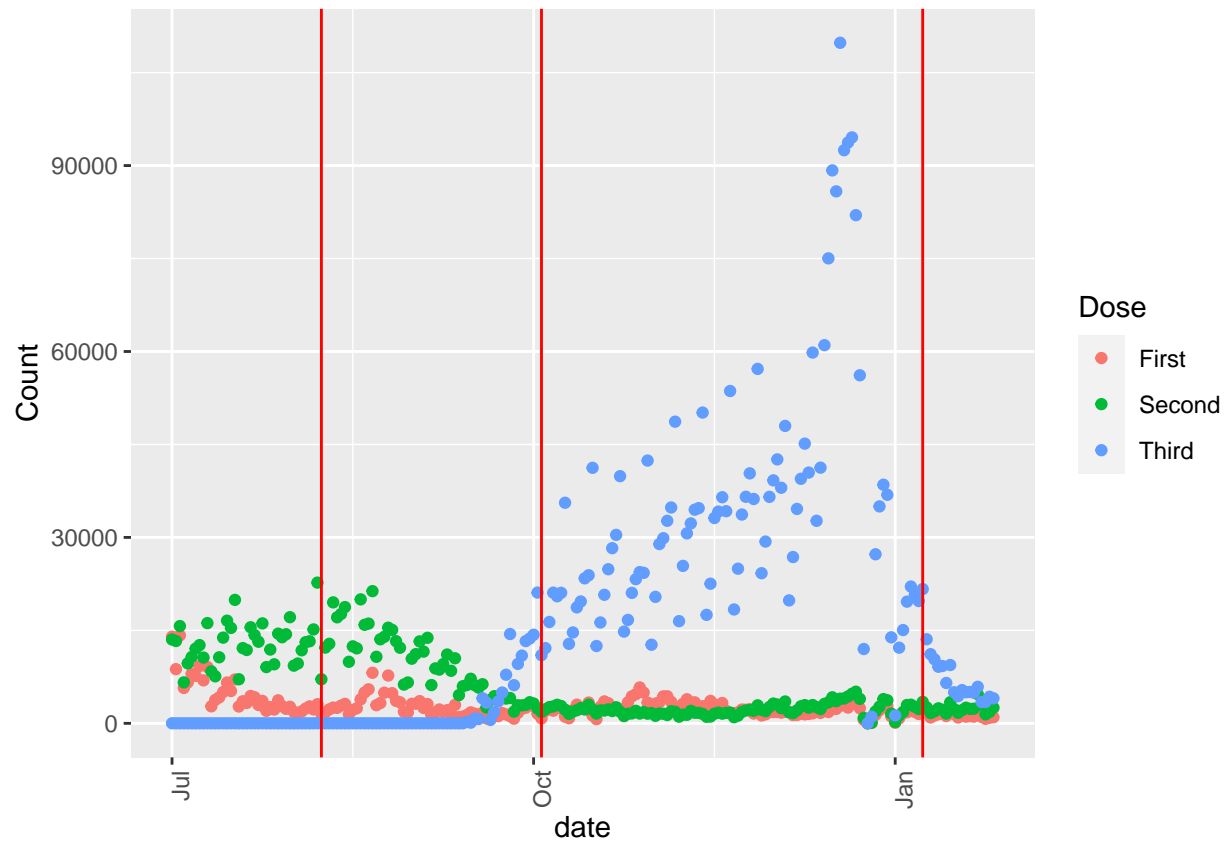
The result is not beautiful because of the active growth of the third jabs count at the end of 2021.

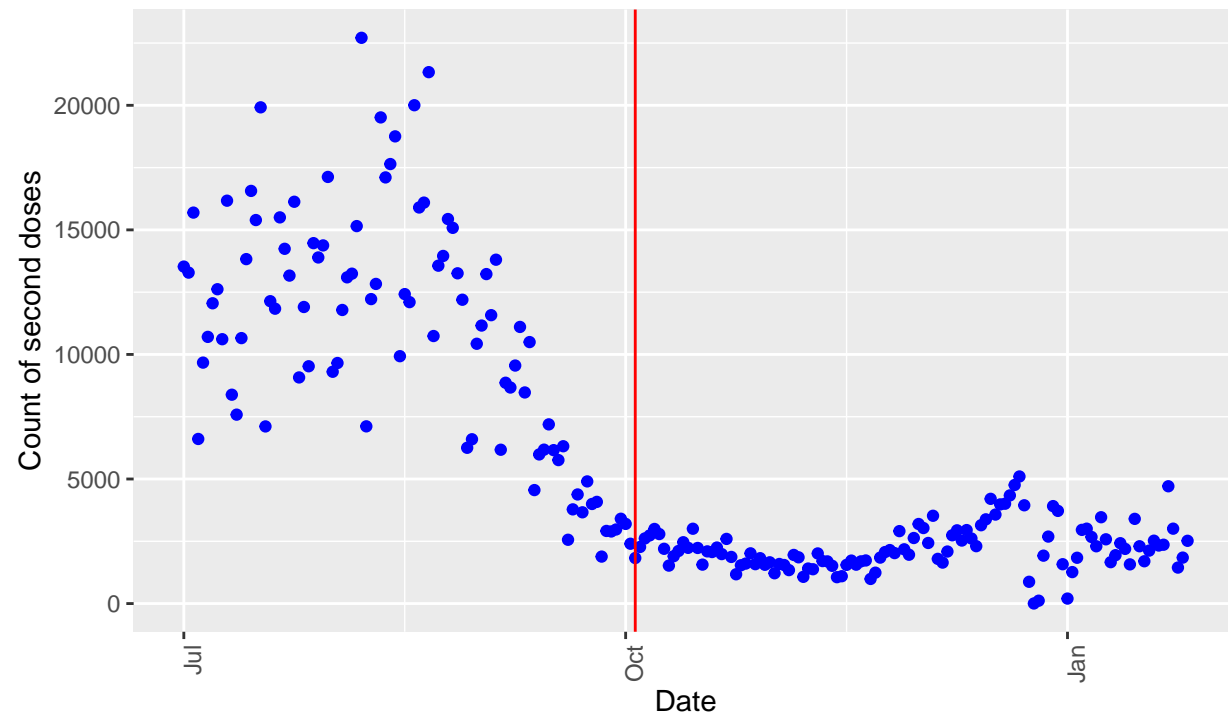Let's plot them separately.

Vaccination in South West
The first dose

Count of first doses

More information https://coronavirus.data.gov.uk/details/about−data

It is so interesting why the graph is wavy.

Vaccination in England
The second dose

More information https://coronavirus.data.gov.uk/details/about−data

Vaccination in England
The third dose

More information https://coronavirus.data.gov.uk/details/about−data
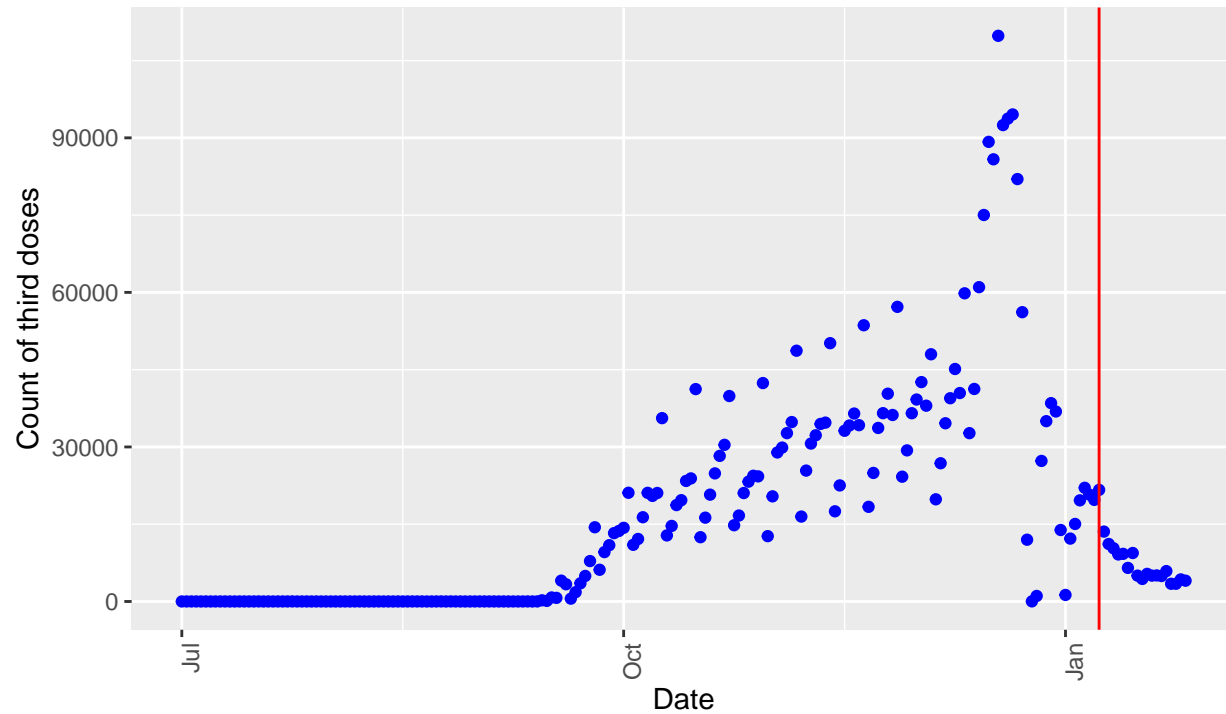
We can see when the active phase of vaccination by the third dose started.

Let's calculate the date.

```
## Warning: Removed 1 rows containing missing values (geom_col).
```

Figure 1: My caption