Plotting ratio of green posting to low-carbon investment

ToDo

- 1. Setup
- 2. Plot raw ratio
- 3. Plot normalized ratio

1. Setup

\$ posts to capex normalized <dbl> -1.0000000, 0.9482597, 0.9364636, 0.9284795,~

2. Plot raw ratio

Let

```
R = p \div i (Equation 1)
```

where R is the raw ratio of green posting to low-carbon investment, p is the green posting rate, and i is the low-carbon investment share.

Further, let

```
p = \frac{g}{(g+b)} (Equation 2)
```

where g is the number of posts with any green label, and b is the number of posts with any brown label but without a green label.

Further, let

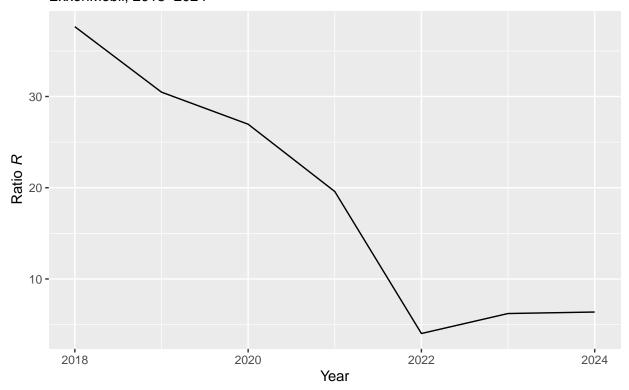
```
i = \frac{e}{a} (Equation 3)
```

where e is the investment into low-carbon, and c is capital expenditure (CapEx).

For now, omitting the year 2017 for which the total number of posts is very low and the number of green posts is zero.

```
title = "Raw green posts to low-carbon investment ratio",
    subtitle = "ExxonMobil, 2018-2024") +
theme(
    plot.caption = element_text(hjust = 0) # Left-align the caption
)
```

Raw green posts to low–carbon investment ratio ExxonMobil, 2018–2024



3. Plot normalized ratio

Let

$$N = \frac{p-i}{p+i}$$
 (Equation 4)

where N is the normalized ratio of green posting to low-carbon investment.

Normalized green posts to low-carbon investment ratio ExxonMobil, 2018–2024

