

0.632.

Say, we're doing bootstrap.

Let our original sample be x_1, x_2, \dots, x_n .

With bootstrap, we draw with replacement
 n draws from the original sample.

Focus on x_1 .

The probability that x_1 is not chosen in a single draw

$$\underline{1 - \frac{1}{n}}$$

But, we have n independent draws. So, the total probability of never choosing x_1 is

$$\left(1 - \frac{1}{n}\right)^n \xrightarrow{n \rightarrow \infty} e^{-1} = \exp(-1) = \\ = 0.3678794$$

$$\boxed{\left(1 + \frac{1}{n}\right)^n \xrightarrow{n \rightarrow \infty} e}$$

So, $1 - e^{-1} \approx 0.632$ is the expected proportion of the data points that do end up in the bootstrapped sample.