

Case: Conidia discharge

In an experiment on conidial discharge of a certain species of fungi (related to how fast the fungus spreads), the fungus was kept at three different temperatures (12.0 °C, 18.5 °C, 25 °C)

The total number of conidia was counted. An asterisk indicates that the fungus terminated discharge of conidia, these values should be discarded.

cold	medium	warm
1575	2003	1742
2019	902*	1764
1921	1510	787*
2019	1991	1470
2323	1720	1769

Exercise

- Type the data into R.
- Make an appropriate plot of data.
- Use a Kruskal-Wallis test and a one-way anova to assess if temperature has an effect on conidia discharge. Comment and conclude.