

Overview of statistical settings covered in VHM 801 (Fall Semester 2020):

| Distribution | Design | | | |
|----------------|----------|-----------|--------|------------|
| | 1 sample | 2 samples | | >2 samples |
| | | indep. | paired | indep. |
| normal | + | + | + | + |
| non-parametric | + | + | + | + |
| binomial | + | + | (+) | + |
| multinomial | (+) | + | - | + |

| Overview: 2 variables | Explanatory | | Response | |
|--------------------------|--------------|----------------------|-------------|-----------------------|
| | continuous | categorical | continuous | categorical |
| Response continuous | linear regr. | ANOVA/2-sample | correlation | - |
| categorical | (+) | 2-way table: model I | - | 2-way table: model II |

Additionally: two-way ANOVA (1 reponse, 2 categorical explanatory variables)