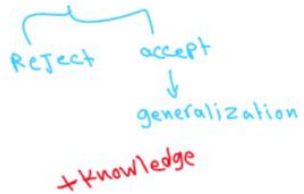


Biostat #5

* hypothesis (Research Question)

Statement of predicted Relationship b/w 2 variables

* hypothesis Test



* Sources of hypothesis

★ previous Research

~~ppp~~ * Classification of hypothesis

① Simple vs Complex

one dependent ≥ 2 dependent
or one in-dependent ≥ 2 in-dependent

lung cancer incidence
is more in smokers
than non-smokers

smoking & certain
drugs may cause
cancers & dyspnea

② Null vs Alternative (scientific)
 H_0 H_1

no Relationship

There is no
difference b/w
smokers and non-smokers
in term of cancer incidence

yes Relationship

There is difference
b/w smokers and non-smokers
in term of cancer incidence

③ Directional vs non-directional

give direction
of relationship

The incidence of
cancer increase
in smokers more
than in non-smokers

No direction
of relationship

There is difference
b/w smokers and non-smokers
in term of cancer incidence