Scientific Terms:

The following is a list of terms related to the scientific method.

1. Experimenter Bias *Create and perform* an experiment w̄ bias / non neutral
2. Observer Bias *observing behaviour w̄ bias / flawed details if*

stronger experiment

3. Double Blind *the participant & Observer are blind to purpose behaviour*
4. Single Blind *the participants are blind to the purpose of the experiment*

5. Selection Bias *Selected Participants w̄ a bias / purpose.*
6. Random Assignment
7. Population *total # of people available to be participants*
8. Representative Sample
9. Random Sample

10. Dependent Variable
11. Independent Variable
12. Confound

correlation confused

13. Reliability — *you can trust and count on experiment results.*
14. Validity *whether you used the proper, most appropriate research valid method. or not valid results.*

(1 causes the other)

mixed up too.

15. Correlation — *direct relationship b/w variables.*
16. Causation *relationship between variable is not direct*

cause + effect

Selection Bias

Experimenter Bias

1

independent of the
environment (the manipulation)

behaviour
dependant on the
manipulation = after
results

Independent Variable

Dependant Variable

manipulation + environment = resulting behaviour

Confound

Correlating Influence

the interferences
that affect the
behaviour of a manipulation

Causal Influence

Representative Sample

Population

Random Sample