

13th.Skin Conductance

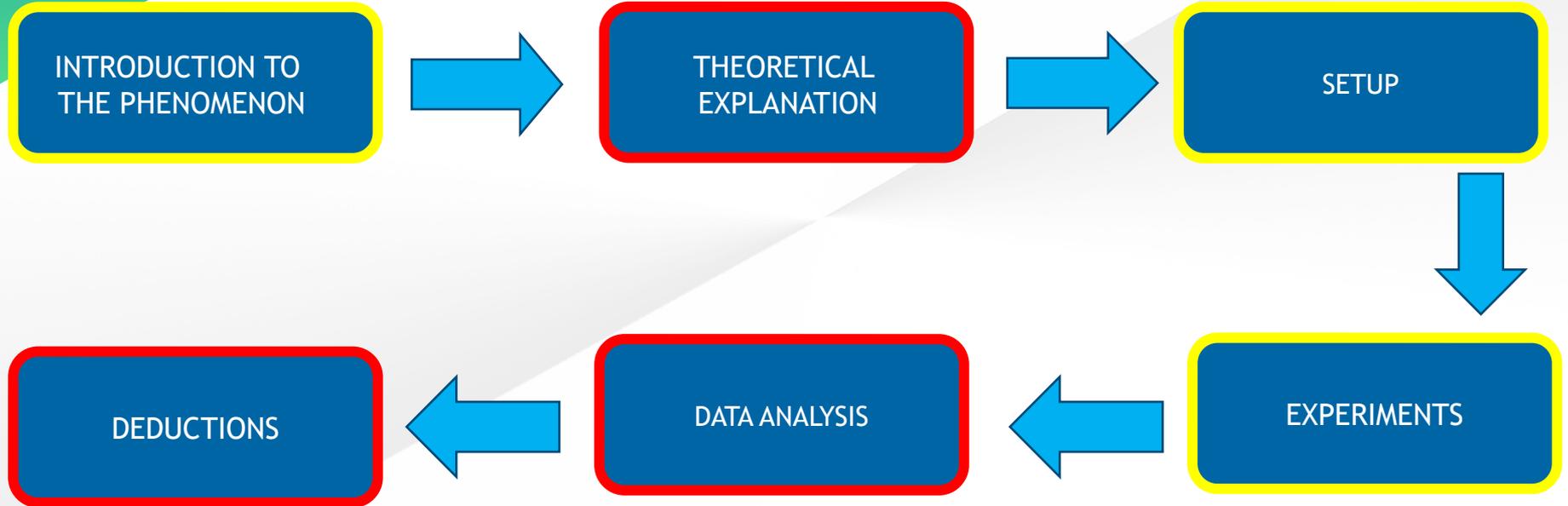
Opponent:

Efthymia Papaioannou





General outline of the presentation



Needs improvement



Average



Good



Theory

Pros:

1. Good introduction of the problem (referred to the conductance - however, she did not even refer to the unit of it)
2. Well structured presentation

Cons:

1. Exclude the effect of age, gender, BMI in skin response, while age and gender were later tested in the experiments.
2. Did not specify the way of functioning the “galvactivator”
3. Did not mention the correlation between physical activity and hyperkinity and increased activity of sweat glands



Experiment & Results

Pros:

1. Reproducible experimental procedure.
2. The conclusions verified the initial theory.
3. Tested different organisms.

Cons:

1. Since they take the measurements when applying relaxation techniques and then not→ results wrong since they were both times relaxed
2. Since they were visible sweating it is impossible to be an OFF indication, but there were.
3. Did not specify how they kept environmental conditions stable
4. No medical exams
5. Utilization of only one sensor
6. In the initial trial and the second trial there were not any differences in the outcome→ device cannot control small changes in electrodermal activity
7. The indication is still ON after dropping the heart rate and applying relaxation techniques.
8. No check about the sleeping hours
9. Did not explain why the fact that the candidates had normal weight and were doing sports is important, nor why they heard classical music
10. Inaccurate and deficient conclusion (about age)
11. Absence of graphs.
12. Bad time management.
13. Not enough subjects in order to make conclusions.



Suggestions for further Improvement

1. Correlation between the light intensity of the light produced by the Led lamp and the skin conductivity.
2. Make sure that the subjects did not suffer from Fatigue Anxiety (so their heart rate would be low).
3. Follow their subjects during the experiment, check their medical status.
4. Check more subjects.
5. Utilize more sensors.
6. Present the results in graphs.
7. Include a slide referring to the possible errors of the experimental procedure.
8. Study the theory in more depth in order to understand the role of sweating to the outcome.

Discussion

Greece - Alliance