Critical Thinking Skills for University Success

SSL101 - MOOC 3

Critical Thinking



Critical Thinking

- "Who is guilty" game
- Definition
- Myths of Critical Thinking
- Behaviors of Critical Thinkers





Ugly King

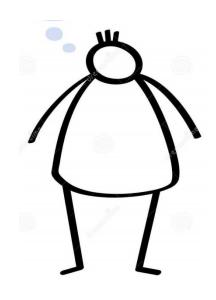


Handsome Guy

Pretty Queen







Prime Minister



Row man

"Who is guilty" game

Make a list of people who are guilty for the death of the queen. The most guilty ranks first and so on. Provide reasons for each choice.

- Individual work (5 mins)
- Pair work (10 mins)
- Group of four (10 mins)
- Group of eight (10 mins)

"Who is guilty" game

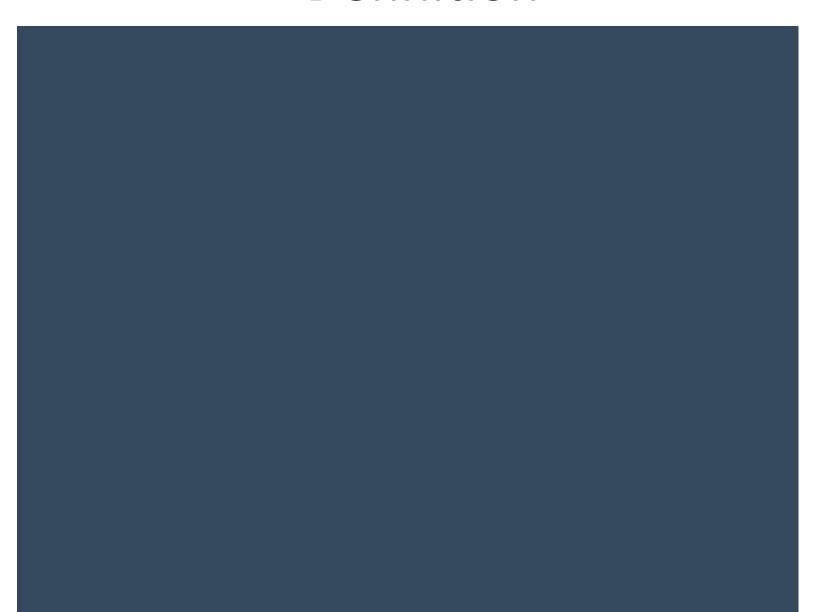
- There is no conclusion!
- Because this is a (intended) dilemma that has no optimal answer.
- Game players must base on personal opinions to make the answer.
- Opinion: belief that one possesses which based on personal values and personal experiences
- It is normal when opinion varies

"Who is guilty" game

During the discussion process, what are thinking activities that you had?

- Collect information
- Evaluate/analyze information
- Create arguments
- Rebut opposing opinion
- Learn from different perspectives

Those are typical steps of critical thinking process







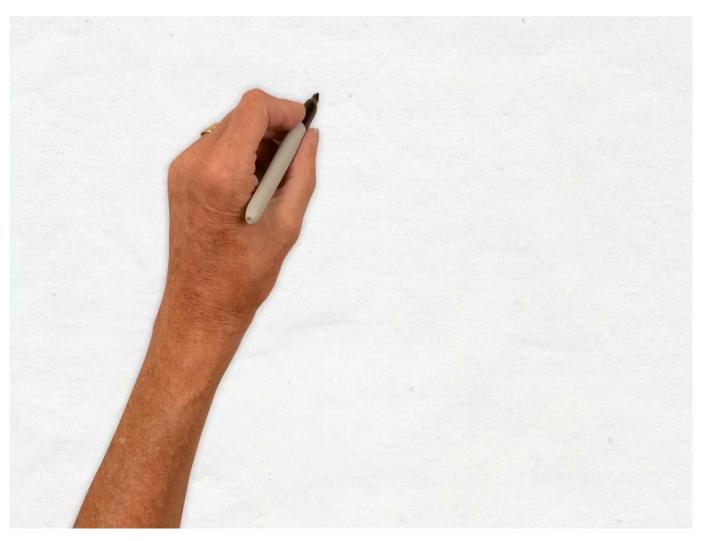


Example of Critical thinking





Myth of Critical thinking



Behaviors of Critical Thinkers



Bias

- Bias is a disproportionate weight in favor of or against an idea or thing, usually in a way that is closed-minded, prejudicial, or unfair.
- Biases can be innate or learned. People may develop biases for or against an individual, a group, or a belief.
- Bias usually associates with prejudices, stereotypes, discrimination.











"A wise man ... proportions his belief to the evidence." – David Hume

What quality of academic culture does this relate to?

Check one option.

- The contingent nature of academic knowledge
- The need for proof to support opinions
- The use of research to produce knowledge
- The importance of independent learning

Which disposition is "accepting others' points of view" an example of?

Check one option.

- Self-confidence
- Being analytical
- Open-mindedness
- Maturity

What is argumentation?

Check one option.

- Taking a stance or position in relation to a topic
- A set of reasons to show that a conclusion is valid
- An angry disagreement
- The process of disagreeing with someone

Have a look at the following passage. What is wrong with the argument?

Every morning, as it gets closer to midday, the temperature rises. At the same time, I always start to feel hungry. Therefore, an increase in temperature makes me hungry.

Check one option.

- It assumes that there is a cause-effect relationship between the two trends
- It draws a conclusion based on too few examples
- It misrepresents the original argument

What is the difference between a bias and an assumption? Check one option.

- A bias is a form of stereotype while an assumption is a type of evidence.
- A bias is a type of evidence while an assumption is a form of stereotype
- A bias is a type claim with no evidence and an assumption is a prejudice for or against someone or something
- A bias is a prejudice for or against someone or something and an assumption is a type of claim with no evidence