

## COMPS 2021

1. Explain Computational Intelligence. Specify how you can apply this knowledge in your dissertation? And if not, why?
2. Explain how sense-making advocates plausibility rather than accuracy. Human experience is captured and transformed in narratives which create "realities" for community members. Specify how you can apply this knowledge in your dissertation? And if not, why?
3. Explain how the attribution of mental states (beliefs, intentions, desires, attitudes, plans, presumptions, preconceptions, biases, etc.) to Others /i.e. taking the intentional stance/ helps predict interpersonal behavior? Specify how you can apply this knowledge in your dissertation? And if not, why?
4. Explain individual values, group norms and organizational culture and the way these define our behaviour. Specify how you can apply this knowledge in your dissertation? And if not, why?
5. Explain systematic mistakes of past history and errors of past predictions. Specify how you can apply this knowledge in your dissertation? And if not, why?
6. Explain the claim: „Metaphors and figurative expressions are pathways for the human understanding of the world, although not with strict truth-values attached to them. They are compressed wisdoms or shortcuts for cognitive processes“. Specify how you can apply this knowledge in your dissertation? And if not, why?
7. Explain the critical attitude of the following quote by Harold Hotelling in 1948: "Unfortunately, too many people like to do their statistical works as they say their prayers - merely substitute in a formula.". Specify how you can apply this knowledge in your dissertation? And if not, why?
8. Explain the data collection of an interview-based study, assuming a semi-structured interview. How would you determine the topics? What do you need to pay attention to during the interviews? Specify how you can apply this knowledge in your dissertation? And if not, why?
9. Explain the definition of definition; how is it different from a description? Specify how you can apply this knowledge in your dissertation? And if not, why?
10. Explain the essence of transdisciplinary approach to problem solving in social study. How does it differ from interdisciplinary, cross-disciplinary, and multidisciplinary approaches? Specify how you can apply this knowledge in your dissertation?
11. Explain the impact of a country's financial structure on the cost of financing of investment. Specify how you can apply this knowledge in your dissertation? And if not, why?
12. Explain the importance of financial openness of a country for the country's business sector performance. Specify how you can apply this knowledge in your dissertation? And if not, why?
13. Explain the importance of short-term and long-term expectations of managers in the real-life economies. Specify how you can apply this knowledge in your dissertation? And if not, why?
14. Explain the problem of induction (black-swan problem), and how the hypothetico-deductive method, including the principle of falsification, supposedly solves it. Specify how you can apply this knowledge in your dissertation? And if not, why?
15. Explain the relevance of endogenous money supply approach for economic growth and business cycles. Specify how you can apply this knowledge in your dissertation? And if not, why?
16. Explain the significance of the quality of data in forecasting. What conditions enable the use of the past to predict the future? Specify how you can apply this knowledge in your dissertation? And if not, why?
17. Explain the tentative process of (creative) problem solving following Popper's approach. Specify how you can apply this knowledge in your dissertation? And if not, why?
18. Explain the use of the Gioia method, for analysing qualitative data obtained from interviews and/or observations. Specify how you can apply this knowledge in your dissertation? And if not, why?

19. Explain the validity of the assertion that "Understanding complex, real-life problems derives from the act of meaning-creation leading to the understanding of the way we think and act in our social environments". Specify how you can apply this knowledge in your dissertation? And if not, why?
20. John Tukey, a pioneer of Exploratory Data Analysis, encouraged researchers to explore the data and to see patterns that could, possibly, lead to model building and testing. Specify how you can apply this knowledge and approach in your dissertation? And if not, why?