***Task***: *Use the moodle course, textbook, and your own research to answer the following questions in depth:*

*Reliability* = The extent to which results or procedures are **consistent.**

1. **What is the difference between internal and external reliability?**

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1. **How can be reliability be assessed and improved (including split-half method, and test-retest method).**

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***Validity*** refers to whether a study measures or examines what it **claims to measure or examine.**

1. What is the differences between internal and external validity? And what different types of external validity are there?

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1. How can validity be assessed and improved, including (concurrent validity, construct validity, and content validity).

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A psychologist was interested in how listening to music affects driving ability. The participants were students who either listened to no music, or to pieces of music that varied in tempo from 60 beats to 140 beats per minute whilst using a driving simulator. Participant’s performance on the driving simulator was measured.

*How could you assess the internal validity of this study?..........................................................*

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*Do you think this study is high in ecological validity?..........................................*

*Explain why you think this.........................................................................................................*

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*Do you think this study is high in population validity?.....................................................*

*Explain why you think this.........................................................................................................*

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A group of students decides to observe affection and connection between couples using a field experiment. They take photos of couples in parks, restaurants, bars and the student lounge and estimate the distance between the two people.

*Do you think this study is high in internal validity?...........................................................*

*Explain why you think this...............................................................................................................*

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*What EV might be affecting the DV?...........................................................................................*

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*How could you assess the internal validity of this study?...........................................................*

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*How could you improve the internal validity of this study?..........................................................*

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