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| **Introduction to Quantitative Research Methods** |
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| **Setting:** | Seminar |
| **Level:** | 5 - 7 |
| **Activity duration:** | 20 - 25 minutes |
| **Guidance:** | This is an overview of the structure of Quantitative Research Method.  |
| **Additional resources:** | *Introduction to Quantitative Research Methods: PCAI-Cycle Information sheet.*  |
| **Outcomes:** * Recognise the structure of a quantitative research method
* Identify and describe the four main components of a quantitative research method.
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| **Pre-task preparation:** * Refer to a published paper related to quantitative research method from the suggested article on the information sheet.
* Select an article from the module reading list, that includes a statistical investigation.
* Identify the different sections of the paper in relation with quantitative research method.
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**Steps to implement the activity:** 1. Warm up activity: What is a quantitative data analysis?
2. Elicit the distinction between quantitative and qualitative methods.
3. Place students working into pairs/groups of three and get students to investigate whether e.g. “the new flu vaccine is more effective than the existing treatment?” Allocate 3 – 4 minutes for this task.
4. Ask students to outline the steps of conducting such investigation.
5. Allow students 4 - 5 minutes to complete the task.
6. Ask one group to feedback to another or feedback to the whole class.
7. Describe and discuss the four main components of their investigation.
8. Explain the connection and the importance.
9. Tutor will feedback to the whole class and summarise.
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