Using differentiated teaching to address academic diversity in higher education

Empirical evidence from two cases

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Online supplementary material

Survey questionnaire to assess student readiness-level (translated from Danish)

Please state to what degree you have experience with the following research designs, e.g., through a project where you used it, learning about it through classes or in your student job.

	Not at all	To a small extent	To some extent	To a high extent	To a very high extent	Don't know
Experimental studies (e.g., RCT, quasi experiments, pre and post measurements)	(1) ☐	(2) ☐	(3) ☐	(4) ☐	(5) ☐	(6) ☐
Cross sectional studies (measuring only once, often through surveys)	(1) ☐	(2) ☐	(3) ☐	(4) ☐	(5) ☐	(6) ☐
Time series studies (multiple measurements over time, qualitative or quantitative)	(1) ☐	(2) ☐	(3) ☐	(4) ☐	(5) ☐	(6) ☐
Comparative case studies (comparison of two or more cases)	(1) ☐	(2) ☐	(3) ☐	(4) ☐	(5) ☐	(6) ☐
Single case studies (in depth examination of one case, e.g., an organisation)	(1) ☐	(2) ☐	(3) ☐	(4) ☐	(5) ☐	(6) ☐

Please state to what degree you have experience with the following methods, e.g., through a project where you used it, learning about it through classes or in your student job.

	Not at all	To a small extent	To some extent	To a high extent	To a very high extent	Don't know
Interviews (e.g., individual, expert, focus group)	(1) ☐	(2) ☐	(3) ☐	(4) ☐	(5) ☐	(6) ☐
Document study (searching and collecting)	(1) ☐	(2) ☐	(3) ☐	(4) ☐	(5) ☐	(6) ☐
Observation	(1) ☐	(2) ☐	(3) ☐	(4) ☐	(5) ☐	(6) ☐
Analysis of interviews	(1) ☐	(2) ☐	(3) ☐	(4) ☐	(5) ☐	(6) ☐
Analysis of documents	(1) ☐	(2) ☐	(3) ☐	(4) ☐	(5) ☐	(6) ☐
Sample strategy	(1) ☐	(2) ☐	(3) ☐	(4) ☐	(5) ☐	(6) ☐
Surveys	(1) ☐	(2) ☐	(3) ☐	(4) ☐	(5) ☐	(6) ☐
Descriptive statistics of one variable (e.g., mean, median, etc.)	(1) ☐	(2) ☐	(3) ☐	(4) ☐	(5) ☐	(6) ☐
Statistical analysis of correlation between two variables (e.g., cross tables, Chi2)	(1) ☐	(2) ☐	(3) ☐	(4) ☐	(5) ☐	(6) ☐
Statistical analysis of more variables (e.g., linear regression)	(1) ☐	(2) ☐	(3) ☐	(4) ☐	(5) ☐	(6) ☐

Please state whether you agree or disagree with the following statement for each method: “I feel well equipped to use this method”.

	Com- pletely disagree	Partly disagree	Neither / or	Partly agree	Com- pletely agree	Don't know
Interviews (e.g., indi- vidual, expert, focus group)	(1) ☐	(2) ☐	(3) ☐	(4) ☐	(5) ☐	(6) ☐
Document study (search- ing and collecting)	(1) ☐	(2) ☐	(3) ☐	(4) ☐	(5) ☐	(6) ☐
Observation	(1) ☐	(2) ☐	(3) ☐	(4) ☐	(5) ☐	(6) ☐
Analysis of interviews	(1) ☐	(2) ☐	(3) ☐	(4) ☐	(5) ☐	(6) ☐
Analysis of documents	(1) ☐	(2) ☐	(3) ☐	(4) ☐	(5) ☐	(6) ☐
Sample strategy	(1) ☐	(2) ☐	(3) ☐	(4) ☐	(5) ☐	(6) ☐
Surveys	(1) ☐	(2) ☐	(3) ☐	(4) ☐	(5) ☐	(6) ☐
Descriptive statistics of one variable (e.g., mean, median, etc.)	(1) ☐	(2) ☐	(3) ☐	(4) ☐	(5) ☐	(6) ☐
Statistical analysis of correlation between two variables (e.g., cross tables, Chi2)	(1) ☐	(2) ☐	(3) ☐	(4) ☐	(5) ☐	(6) ☐
Statistical analysis of more variables (e.g., linear regression)	(1) ☐	(2) ☐	(3) ☐	(4) ☐	(5) ☐	(6) ☐

To what degree do you have experience with the following programmes:

	Not at all	To a small extent	To some extent	To a high extent	To a very high extent	Don't know
SPSS	(1) ☐	(2) ☐	(3) ☐	(4) ☐	(5) ☐	(6) ☐
nVivo	(1) ☐	(2) ☐	(3) ☐	(4) ☐	(5) ☐	(6) ☐
Peergrade	(1) ☐	(2) ☐	(3) ☐	(4) ☐	(5) ☐	(6) ☐

And now for the final question. To what degree do you have experience with the following learning activities:

	Not at all	To a small extent	To some extent	To a high extent	To a very high extent
Group exercises	(1) ☐	(2) ☐	(3) ☐	(4) ☐	(5) ☐
Lectures	(1) ☐	(2) ☐	(3) ☐	(4) ☐	(5) ☐
Individual exercises	(1) ☐	(2) ☐	(3) ☐	(4) ☐	(5) ☐
Student presentations	(1) ☐	(2) ☐	(3) ☐	(4) ☐	(5) ☐
Reading texts in English	(1) ☐	(2) ☐	(3) ☐	(4) ☐	(5) ☐
Giving feedback to other students	(1) ☐	(2) ☐	(3) ☐	(4) ☐	(5) ☐

Rubric for peer-evaluation

S1

Overall evaluation

Q1 Text

What are positive aspects of this project?

Response

Q2 Text

What are the main areas for improvement?

Response

Q3 Text

Comment on the quality of the suggested research question. Consider:

- Clarity
- Is it possible to answer the question with a project like this?
- Does the question fit the context of this semester project?

Response

Q4 Text

Suggestions for improvement?

Response

Q5 Text

Comment on the the suggested theory. Consider:

- Relevancy
- Fit with research question

Response

Q6 Text

Suggestions for improvement?

Response

Q7 Text

Comment on the the suggested methods. Consider:

- Relevancy
- Fit with research question

Response

Q8 Text

Suggestions for improvement?

Response