

README METADATA FILE FACILITATING THE COMPREHENSIVE REUSE OF THE DIGITAL FILES TITLED:
Student-teacher and student-peer relationships study effort and engagement.
Quality of relationships with teachers and peers, study effort, study engagement, and academic performance.

1 GENERIC METADATA DESCRIBING THE DIGITAL FILES #
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■ Study PID : <https://doi.org/10.25397/eur.19752967>

• Title : Student-teacher and student-peer relationships study effort and engagement

• Subtitle
Quality of relationships with teachers and peers, study effort, study engagement, and academic performance

• Material Type : Digital Files
• Data Type : Survey Data
• Data Format : Structured Data
• Subject : Studying in higher education
• Temporal Coverage : 2020/2021
• Spatial Coverage : The Netherlands
• Universe : Dutch university students
• Analysis Unit : A student from a Dutch university
• Identifier : 10.25397/eur.19752967
• Paper : <https://www.tandfonline.com/doi/full/10.1080/21568235.2024.2414760>

• Data Description
This dataset is part of a larger research project investigating university students' experiences during emergency remote teaching due to the COVID-19 pandemic. A longitudinal cohort study among university students from the Netherlands was performed during the academic year 2020/2021 with three points of measurement, i.e., t1 = November/December 2020, t2 = March 2021, and t3 = June/July 2021. Data were collected through online surveys programmed in Qualtrics.

The dataset includes data from 613 undergraduate students who fully completed the surveys at t1 and t2. Variables that are included in this dataset are: demographic and study-related variables (t1), quality of relationships with teachers (t1+t2), quality of relationships with peers (t1+t2), study effort (t1+t2), study engagement (t1+t2), and academic performance/GPA (t2).

• Background
Despite the recognized importance of student-teacher and student-peer relationships as well as study effort and engagement in predicting academic performance, the interplay between these predictors has received limited attention in higher education research. Building on Study Demands-Resources theories, this longitudinal study explores the favourable impact of student-teacher and student-peer relationships on academic performance (GPA), mediated by study effort and engagement.

• Method
In total, 613 undergraduate students (68% female; mean age 20 years) from all 13 Dutch public universities completed two online surveys with a 3.5-month interval. Student-teacher and student-peer relationships, study effort, and study engagement were measured at two time points (t1 and t2), while GPA was only measured at t2.

• Results
Correlation and path analyses revealed that better relationships with both teachers and peers were longitudinally associated with a higher GPA, mediated by more study effort and engagement.

• Conclusion
This study contributes to the literature by employing longitudinal data, offering stronger causal evidence for processes underlying academic performance. It underscores the importance of fostering positive relationships with both teachers and peers to improve student performance. The findings suggest that educational institutions should implement strategies to strengthen these relationships, thereby enhancing study effort and engagement, ultimately leading to improved academic performance.

• Cite
Hilverda, Femke; Vollmann, Manja; van Herpen, Sanne G. A. (2024). The impact of student-teacher and student-peer relationships on academic performance: the mediating effects of study effort and engagement. Erasmus University Rotterdam (EUR). Dataset. <https://doi.org/10.25397/eur.19752967>

• References

1. <https://doi.org/10.25397/eur.c.6664193.v1>
2. <https://doi.org/10.1080/21568235.2024.2414760>
3. <https://www.tandfonline.com/doi/full/10.1080/21568235.2024.2414760>

2. METADATA DESCRIBING THE INCLUDED DIGITAL OBJECTS #
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■ Included Items

The download of the research package includes

7 Files:

- t1t2_interaction_performance N=613.sav
- t1t2_interaction_performance N=613.dat
- t1t2_interaction_performance N=613.csv
- t1t2_interaction_performance variable description.csv
- t1t2_interaction_performance codebook.pdf
- README.txt
- README.pdf

■ Primary Digital Object : t1t2_interaction_performance N=613.sav

- Data Type : Structured Data
- Encoding Format : SAV
- Language : English
- File Size : 89 KB
- Number of Tables : 2
- Table Label (1) : Data View
 - Variable Count : 64
 - Observation Count : 613
- Table Label (2) : Variable View
 - Variable Count : 11
 - Observation Count : 64
- Temporal Coverage : 2020/2021
- Condition Of Access : Open Access
- License : <https://creativecommons.org/licenses/by/4.0/>
- Folder : the-mediating-effects-of-study-effort-and-engagement
- Description

The dataset includes data from 613 undergraduate students who fully completed the surveys at t1 and t2. Variables that are included in this dataset are: demographic and study-related variables (t1), quality of interaction with teachers (t1+t2), quality of interaction with peers (t1+t2), study effort (t1+t2), study engagement (t1+t2), and academic performance/GPA (t2).

■ Digital Object : t1t2_interaction_performance N=613.csv

- Data Type : Structured Data
- Encoding Format : CSV
- Language : English
- File Size : 113 KB
- Number of Tables : 1
- Table Label : t1t2_interaction_performance N=613
 - Variable Count : 64
 - Observation Count : 613
- Temporal Coverage : 2021/2022
- Condition Of Access : Open Access
- License : <https://creativecommons.org/licenses/by/4.0/>
- Folder : the-mediating-effects-of-study-effort-and-engagement
- Description

This dataset is equivalent to 't1t2_interaction_performance N=613.sav' but has been converted to a CSV format. This alternative format ensures broader accessibility for users without access to proprietary SPSS software and supports long-term preservation. However, unlike the SAV file, this CSV does not include variable descriptions. These can be found in the accompanying README documents and in t1t2_interaction_performance variable description.csv.

■ Digital Object : t1t2_interaction_performance variable description.csv

- Data Type : Structured Data
- Encoding Format : CSV
- Language : English
- File Size : 10 KB
- Number of Tables : 1
- Table Label : t1t2_interaction_performance variable description.csv
 - Variable Count : 16
 - Observation Count : 64
- Temporal Coverage : 2022/2023
- Condition Of Access : Open Access
- License : <https://creativecommons.org/licenses/by/4.0/>
- Folder : the-mediating-effects-of-study-effort-and-engagement
- Description

This file provides descriptions of the variables used to describe the collected data and aims to support non-proprietary encoding formats, such as CSV, which typically lack built-in variable descriptions.

■ Primary Digital Object : t1t2_interaction_performance N=613.dat

- Data Type : Structured Data
- Encoding Format : DAT
- Language : English
- File Size : 111 KB
- Number of Tables : 2
- Table Label : t1t2_interaction_performance N=613
 - Variable Count : 64
 - Observation Count : 613
- Temporal Coverage : 2020/2021
- Condition Of Access : Open Access
- License : <https://creativecommons.org/licenses/by/4.0/>
- Folder : the-mediating-effects-of-study-effort-and-engagement
- Description

The dataset includes data from 613 undergraduate students who fully completed the surveys at t1 and t2. Variables that are included in this dataset are: demographic and study-related variables (t1), quality of interaction with teachers (t1+t2), quality of interaction with peers (t1+t2), study effort (t1+t2), study engagement (t1+t2), and academic performance/GPA (t2).
- Comment

This dataset is the same as "t1t2_interaction_performance N=613.sav", but it is encoded as DAT instead of SAV to provide an alternative encoding and ensure long-term preservation.

■ Primary Digital Object : t1t2_interaction_performance codebook.pdf

- Data Type : Structured Data
- Encoding Format : PDF
- Language : English
- File Size : 211 KB
- Condition Of Access : Open Access
- License : <https://creativecommons.org/licenses/by/4.0/>
- Folder : the-mediating-effects-of-study-effort-and-engagement
- Description
The codebook entails information about the variables in the dataset: variable name, variable label, measurement level, missing values, variable values plus value labels.

■ Digital Object : README.txt

- Data Type : Metadata
- Encoding Format : TXT
- Language : English
- File Size : 50.5 KB
- Condition Of Access : Open Access
- License : <https://creativecommons.org/licenses/by/4.0/>
- Folder : the-mediating-effects-of-study-effort-and-engagement
- Description
Text document containing metadata pertaining to the study, the data and participants' data privacy.

■ Digital Object : README.pdf

- Data Type : Metadata
- Encoding Format : PDF
- Language : English
- File Size : 61.3 KB
- Condition Of Access : Open Access
- License : <https://creativecommons.org/licenses/by/4.0/>
- Folder : the-mediating-effects-of-study-effort-and-engagement
- Description
PDF version of the text document providing metadata regarding the study, the data and participants' data privacy.

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#####
# 4. METADATA DESCRIBING THE DATASET'S VARIABLES                                     #
#####
```

■ ID

- Count : 001
- Preferred Label : ID
- Range : Numeric
- Measurement Level : Nominal
- Width : 8
- Decimals : 0
- Columns : 8
- Not Applicable (N/A) : 0
- File Name : t1t2_interaction_performance N=613.sav
- Used in Table : t1t2_interaction_performance N=613

■ consent

- Count : 002
- Preferred Label : informed consent
- Range : Numeric
- Measurement Level : Nominal
- Value Space
 - 0.0 : no
 - 1.0 : yes
- Width : 8
- Decimals : 0
- Columns : 8
- Not Applicable (N/A) : 0
- File Name : t1t2_interaction_performance N=613.sav
- Used in Table : t1t2_interaction_performance N=613

■ t1_age

- Count : 003
- Preferred Label : age
- Range : Numeric
- Measurement Level : Scale
- Width : 8
- Decimals : 0
- Columns : 8
- Not Applicable (N/A) : 0
- File Name : t1t2_interaction_performance N=613.sav
- Used in Table : t1t2_interaction_performance N=613

■ t1_uni

- Count : 004
- Preferred Label : university
- Range : Numeric
- Measurement Level : Nominal
- Value Space
 - 1.0 : University of Amsterdam
 - 2.0 : VU Amsterdam
 - 3.0 : Delft University of Technology
 - 4.0 : Eindhoven University of Technology
 - 5.0 : University of Twente
 - 6.0 : University of Groningen
 - 7.0 : Leiden University
 - 8.0 : Maastricht University

- 9.0 : Radboud University Nijmegen
- 10.0 : Erasmus University Rotterdam
- 11.0 : Tilburg University
- 12.0 : Utrecht University
- 13.0 : Wageningen University
- Width : 8
- Decimals : 0
- Columns : 8
- Not Applicable (N/A) : 0
- File Name : t1t2_interaction_performance N=613.sav
- Used in Table : t1t2_interaction_performance N=613

■ t1_year

- Count : 005
- Preferred Label : study year
- Range : Numeric
- Measurement Level : Ordinal
- Value Space
 - 1.0 : 1st year bachelor
 - 2.0 : 2nd year bachelor
 - 3.0 : 3rd year bachelor
 - 4.0 : master
- Width : 8
- Decimals : 0
- Columns : 8
- Not Applicable (N/A) : 0
- File Name : t1t2_interaction_performance N=613.sav
- Used in Table : t1t2_interaction_performance N=613

■ t1_phase

- Count : 006
- Preferred Label : study phase
- Range : Numeric
- Measurement Level : Ordinal
- Value Space
 - 0.0 : BA (undergraduate)
 - 1.0 : MA (graduate)
- Width : 8
- Decimals : 0
- Columns : 8
- Not Applicable (N/A) : 0
- File Name : t1t2_interaction_performance N=613.sav
- Used in Table : t1t2_interaction_performance N=613

■ t1_field

- Count : 007
- Preferred Label : field of study
- Range : Numeric
- Measurement Level : Nominal
- Value Space
 - 1.0 : Healthcare
 - 4.0 : Economics and Business
 - 5.0 : Behavioural and Social Sciences
 - 6.0 : Agriculture and Environment
 - 7.0 : Science and Informatica
 - 8.0 : Education
 - 9.0 : Languages, arts and culture
 - 10.0 : Law
 - 11.0 : Engineering
 - 12.0 : multidisciplinary
- Width : 8
- Decimals : 0
- Columns : 8
- Not Applicable (N/A) : 0
- File Name : t1t2_interaction_performance N=613.sav
- Used in Table : t1t2_interaction_performance N=613

■ t1_gender

- Count : 008
- Preferred Label : gender
- Range : Numeric
- Measurement Level : Nominal
- Value Space
 - 0.0 : male
 - 1.0 : female
 - 2.0 : other
- Width : 8
- Decimals : 0
- Columns : 8
- Not Applicable (N/A) : 0
- File Name : t1t2_interaction_performance N=613.sav
- Used in Table : t1t2_interaction_performance N=613

■ t1_gender_d

- Count : 009
- Preferred Label : gender dichotomous
- Range : Numeric
- Measurement Level : Nominal
- Value Space
 - 0.0 : male
 - 1.0 : female
- Width : 8
- Decimals : 0
- Columns : 8
- Not Applicable (N/A) : 1
- File Name : t1t2_interaction_performance N=613.sav
- Used in Table : t1t2_interaction_performance N=613

■ t1_ti1r

- Count : 010
- Preferred Label : t1 teacher interaction item 1: needs to be recoded!!
- Range : Numeric
- Measurement Level : Scale
- Value Space
 - 1.0 : strongly disagree
 - 2.0 : disagree
 - 3.0 : neutral
 - 4.0 : agree
 - 5.0 : strongly agree
- Width : 8
- Decimals : 0
- Columns : 8
- Not Applicable (N/A) : 0
- File Name : t1t2_interaction_performance N=613.sav
- Used in Table : t1t2_interaction_performance N=613

■ t1_ti2

- Count : 011
- Preferred Label : t1 teacher interaction item 2
- Range : Numeric
- Measurement Level : Scale
- Value Space
 - 1.0 : strongly disagree
 - 2.0 : disagree
 - 3.0 : neutral
 - 4.0 : agree
 - 5.0 : strongly agree
- Width : 8
- Decimals : 0
- Columns : 8
- Not Applicable (N/A) : 0
- File Name : t1t2_interaction_performance N=613.sav
- Used in Table : t1t2_interaction_performance N=613

■ t1_ti3

- Count : 012
- Preferred Label : t1 teacher interaction item 3
- Range : Numeric
- Measurement Level : Scale
- Value Space
 - 1.0 : strongly disagree
 - 2.0 : disagree
 - 3.0 : neutral
 - 4.0 : agree
 - 5.0 : strongly agree
- Width : 8
- Decimals : 0
- Columns : 8
- Not Applicable (N/A) : 0
- File Name : t1t2_interaction_performance N=613.sav
- Used in Table : t1t2_interaction_performance N=613

■ t1_ti4

- Count : 013
- Preferred Label : t1 teacher interaction item 4
- Range : Numeric
- Measurement Level : Scale
- Value Space
 - 1.0 : strongly disagree
 - 2.0 : disagree
 - 3.0 : neutral
 - 4.0 : agree
 - 5.0 : strongly agree
- Width : 8
- Decimals : 0
- Columns : 8
- Not Applicable (N/A) : 0
- File Name : t1t2_interaction_performance N=613.sav
- Used in Table : t1t2_interaction_performance N=613

■ t1_ti5

- Count : 014
- Preferred Label : t1 teacher interaction item 5
- Range : Numeric
- Measurement Level : Scale
- Value Space
 - 1.0 : strongly disagree
 - 2.0 : disagree
 - 3.0 : neutral
 - 4.0 : agree
 - 5.0 : strongly agree
- Width : 8
- Decimals : 0
- Columns : 8
- Not Applicable (N/A) : 0
- File Name : t1t2_interaction_performance N=613.sav
- Used in Table : t1t2_interaction_performance N=613

■ t1_ti6

- Count : 015
- Preferred Label : t1 teacher interaction item 6
- Range : Numeric
- Measurement Level : Scale
- Value Space
 - 1.0 : strongly disagree

- 2.0 : disagree
- 3.0 : neutral
- 4.0 : agree
- 5.0 : strongly agree
- Width : 8
- Decimals : 0
- Columns : 8
- Not Applicable (N/A) : 0
- File Name : t1t2_interaction_performance N=613.sav
- Used in Table : t1t2_interaction_performance N=613

■ t1_ti7

- Count : 016
- Preferred Label : t1 teacher interaction item 7
- Range : Numeric
- Measurement Level : Scale
- Value Space
 - 1.0 : strongly disagree
 - 2.0 : disagree
 - 3.0 : neutral
 - 4.0 : agree
 - 5.0 : strongly agree
- Width : 8
- Decimals : 0
- Columns : 8
- Not Applicable (N/A) : 0
- File Name : t1t2_interaction_performance N=613.sav
- Used in Table : t1t2_interaction_performance N=613

■ t1_ti8

- Count : 017
- Preferred Label : t1 teacher interaction item 8
- Range : Numeric
- Measurement Level : Scale
- Value Space
 - 1.0 : strongly disagree
 - 2.0 : disagree
 - 3.0 : neutral
 - 4.0 : agree
 - 5.0 : strongly agree
- Width : 8
- Decimals : 0
- Columns : 8
- Not Applicable (N/A) : 0
- File Name : t1t2_interaction_performance N=613.sav
- Used in Table : t1t2_interaction_performance N=613

■ t1_pi1

- Count : 018
- Preferred Label : t1 peer interaction item 1
- Range : Numeric
- Measurement Level : Scale
- Value Space
 - 1.0 : strongly disagree
 - 2.0 : disagree
 - 3.0 : neutral
 - 4.0 : agree
 - 5.0 : strongly agree
- Width : 8
- Decimals : 0
- Columns : 8
- Not Applicable (N/A) : 0
- File Name : t1t2_interaction_performance N=613.sav
- Used in Table : t1t2_interaction_performance N=613

■ t1_pi2

- Count : 019
- Preferred Label : t1 peer interaction item 2
- Range : Numeric
- Measurement Level : Scale
- Value Space
 - 1.0 : strongly disagree
 - 2.0 : disagree
 - 3.0 : neutral
 - 4.0 : agree
 - 5.0 : strongly agree
- Width : 8
- Decimals : 0
- Columns : 8
- Not Applicable (N/A) : 0
- File Name : t1t2_interaction_performance N=613.sav
- Used in Table : t1t2_interaction_performance N=613

■ t1_pi3

- Count : 020
- Preferred Label : t1 peer interaction item 3
- Range : Numeric
- Measurement Level : Scale
- Value Space
 - 1.0 : strongly disagree
 - 2.0 : disagree
 - 3.0 : neutral
 - 4.0 : agree
 - 5.0 : strongly agree
- Width : 8
- Decimals : 0
- Columns : 8
- Not Applicable (N/A) : 0

- File Name : t1t2_interaction_performance N=613.sav
- Used in Table : t1t2_interaction_performance N=613

■ t1_pi4

- Count : 021
- Preferred Label : t1 peer interaction item 4
- Range : Numeric
- Measurement Level : Scale
- Value Space
 - 1.0 : strongly disagree
 - 2.0 : disagree
 - 3.0 : neutral
 - 4.0 : agree
 - 5.0 : strongly agree
- Width : 8
- Decimals : 0
- Columns : 8
- Not Applicable (N/A) : 0
- File Name : t1t2_interaction_performance N=613.sav
- Used in Table : t1t2_interaction_performance N=613

■ t1_pi5

- Count : 022
- Preferred Label : t1 peer interaction item 5
- Range : Numeric
- Measurement Level : Scale
- Value Space
 - 1.0 : strongly disagree
 - 2.0 : disagree
 - 3.0 : neutral
 - 4.0 : agree
 - 5.0 : strongly agree
- Width : 8
- Decimals : 0
- Columns : 8
- Not Applicable (N/A) : 0
- File Name : t1t2_interaction_performance N=613.sav
- Used in Table : t1t2_interaction_performance N=613

■ t1_pi6

- Count : 023
- Preferred Label : t1 peer interaction item 6
- Range : Numeric
- Measurement Level : Scale
- Value Space
 - 1.0 : strongly disagree
 - 2.0 : disagree
 - 3.0 : neutral
 - 4.0 : agree
 - 5.0 : strongly agree
- Width : 8
- Decimals : 0
- Columns : 8
- Not Applicable (N/A) : 0
- File Name : t1t2_interaction_performance N=613.sav
- Used in Table : t1t2_interaction_performance N=613

■ t1_pi7

- Count : 024
- Preferred Label : t1 peer interaction item 7
- Range : Numeric
- Measurement Level : Scale
- Value Space
 - 1.0 : strongly disagree
 - 2.0 : disagree
 - 3.0 : neutral
 - 4.0 : agree
 - 5.0 : strongly agree
- Width : 8
- Decimals : 0
- Columns : 8
- Not Applicable (N/A) : 0
- File Name : t1t2_interaction_performance N=613.sav
- Used in Table : t1t2_interaction_performance N=613

■ t1_pi8

- Count : 025
- Preferred Label : t1 peer interaction item 8
- Range : Numeric
- Measurement Level : Scale
- Value Space
 - 1.0 : strongly disagree
 - 2.0 : disagree
 - 3.0 : neutral
 - 4.0 : agree
 - 5.0 : strongly agree
- Width : 8
- Decimals : 0
- Columns : 8
- Not Applicable (N/A) : 0
- File Name : t1t2_interaction_performance N=613.sav
- Used in Table : t1t2_interaction_performance N=613

■ t1_effort1

- Count : 026
- Preferred Label : t1 study effort item 1
- Range : Numeric

- Measurement Level : Scale
- Value Space
 - 0.0 : never
 - 1.0 : rarely
 - 2.0 : occasionally
 - 3.0 : regularly
 - 4.0 : frequently
 - 5.0 : very frequently
 - 6.0 : always
- Width : 8
- Decimals : 0
- Columns : 8
- Not Applicable (N/A) : 0
- File Name : t1t2_interaction_performance N=613.sav
- Used in Table : t1t2_interaction_performance N=613

■ t1_effort2

- Count : 027
- Preferred Label : t1 study effort item 2
- Range : Numeric
- Measurement Level : Scale
- Value Space
 - 0.0 : never
 - 1.0 : rarely
 - 2.0 : occasionally
 - 3.0 : regularly
 - 4.0 : frequently
 - 5.0 : very frequently
 - 6.0 : always
- Width : 8
- Decimals : 0
- Columns : 8
- Not Applicable (N/A) : 0
- File Name : t1t2_interaction_performance N=613.sav
- Used in Table : t1t2_interaction_performance N=613

■ t1_effort3

- Count : 028
- Preferred Label : t1 study effort item 3
- Range : Numeric
- Measurement Level : Scale
- Value Space
 - 0.0 : never
 - 1.0 : rarely
 - 2.0 : occasionally
 - 3.0 : regularly
 - 4.0 : frequently
 - 5.0 : very frequently
 - 6.0 : always
- Width : 8
- Decimals : 0
- Columns : 8
- Not Applicable (N/A) : 0
- File Name : t1t2_interaction_performance N=613.sav
- Used in Table : t1t2_interaction_performance N=613

■ t1_enga1

- Count : 029
- Preferred Label : t1 study engagement item 1 vigor
- Range : Numeric
- Measurement Level : Scale
- Value Space
 - 0.0 : never
 - 1.0 : rarely
 - 2.0 : occasionally
 - 3.0 : regularly
 - 4.0 : frequently
 - 5.0 : very frequently
 - 6.0 : always
- Width : 8
- Decimals : 0
- Columns : 8
- Not Applicable (N/A) : 0
- File Name : t1t2_interaction_performance N=613.sav
- Used in Table : t1t2_interaction_performance N=613

■ t1_enga2

- Count : 030
- Preferred Label : t1 study engagement item 2 dedication
- Range : Numeric
- Measurement Level : Scale
- Value Space
 - 0.0 : never
 - 1.0 : rarely
 - 2.0 : occasionally
 - 3.0 : regularly
 - 4.0 : frequently
 - 5.0 : very frequently
 - 6.0 : always
- Width : 8
- Decimals : 0
- Columns : 8
- Not Applicable (N/A) : 0
- File Name : t1t2_interaction_performance N=613.sav
- Used in Table : t1t2_interaction_performance N=613

■ t1_enga3

- Count : 031

- Preferred Label : t1 study engagement item 3 absorption
- Range : Numeric
- Measurement Level : Scale
- Value Space
 - 0.0 : never
 - 1.0 : rarely
 - 2.0 : occasionally
 - 3.0 : regularly
 - 4.0 : frequently
 - 5.0 : very frequently
 - 6.0 : always
- Width : 8
- Decimals : 0
- Columns : 8
- Not Applicable (N/A) : 0
- File Name : t1t2_interaction_performance N=613.sav
- Used in Table : t1t2_interaction_performance N=613

■ t1_ti1

- Count : 032
- Preferred Label : t1 teacher interaction item 1: recoded
- Range : Numeric
- Measurement Level : Scale
- Width : 8
- Decimals : 0
- Columns : 8
- Not Applicable (N/A) : 0
- File Name : t1t2_interaction_performance N=613.sav
- Used in Table : t1t2_interaction_performance N=613

■ t1_m_ti

- Count : 033
- Preferred Label : t1 mean teacher interaction
- Range : Numeric
- Measurement Level : Scale
- Width : 8
- Decimals : 2
- Columns : 8
- Not Applicable (N/A) : 0
- File Name : t1t2_interaction_performance N=613.sav
- Used in Table : t1t2_interaction_performance N=613

■ t1_m_pi

- Count : 034
- Preferred Label : t1 mean peer interaction
- Range : Numeric
- Measurement Level : Scale
- Width : 8
- Decimals : 2
- Columns : 8
- Not Applicable (N/A) : 0
- File Name : t1t2_interaction_performance N=613.sav
- Used in Table : t1t2_interaction_performance N=613

■ t1_m_effort

- Count : 035
- Preferred Label : t1 mean study effort
- Range : Numeric
- Measurement Level : Scale
- Width : 8
- Decimals : 2
- Columns : 8
- Not Applicable (N/A) : 0
- File Name : t1t2_interaction_performance N=613.sav
- Used in Table : t1t2_interaction_performance N=613

■ t1_m_enga

- Count : 036
- Preferred Label : t1 mean study engagement
- Range : Numeric
- Measurement Level : Scale
- Width : 8
- Decimals : 2
- Columns : 8
- Not Applicable (N/A) : 0
- File Name : t1t2_interaction_performance N=613.sav
- Used in Table : t1t2_interaction_performance N=613

■ t2_ti1r

- Count : 037
- Preferred Label : t2 teacher interaction item 1: needs to be recoded!!
- Range : Numeric
- Measurement Level : Scale
- Value Space
 - 1.0 : strongly disagree
 - 2.0 : disagree
 - 3.0 : neutral
 - 4.0 : agree
 - 5.0 : strongly agree
- Width : 8
- Decimals : 0
- Columns : 8
- Not Applicable (N/A) : 0
- File Name : t1t2_interaction_performance N=613.sav
- Used in Table : t1t2_interaction_performance N=613

■ t2_ti2

- Count : 038
- Preferred Label : t2 teacher interaction item 2
- Range : Numeric
- Measurement Level : Scale
- Value Space
 - 1.0 : strongly disagree
 - 2.0 : disagree
 - 3.0 : neutral
 - 4.0 : agree
 - 5.0 : strongly agree
- Width : 8
- Decimals : 0
- Columns : 8
- Not Applicable (N/A) : 0
- File Name : t1t2_interaction_performance N=613.sav
- Used in Table : t1t2_interaction_performance N=613

■ t2_ti3

- Count : 039
- Preferred Label : t2 teacher interaction item 3
- Range : Numeric
- Measurement Level : Scale
- Value Space
 - 1.0 : strongly disagree
 - 2.0 : disagree
 - 3.0 : neutral
 - 4.0 : agree
 - 5.0 : strongly agree
- Width : 8
- Decimals : 0
- Columns : 8
- Not Applicable (N/A) : 0
- File Name : t1t2_interaction_performance N=613.sav
- Used in Table : t1t2_interaction_performance N=613

■ t2_ti4

- Count : 040
- Preferred Label : t2 teacher interaction item 4
- Range : Numeric
- Measurement Level : Scale
- Value Space
 - 1.0 : strongly disagree
 - 2.0 : disagree
 - 3.0 : neutral
 - 4.0 : agree
 - 5.0 : strongly agree
- Width : 8
- Decimals : 0
- Columns : 8
- Not Applicable (N/A) : 0
- File Name : t1t2_interaction_performance N=613.sav
- Used in Table : t1t2_interaction_performance N=613

■ t2_ti5

- Count : 041
- Preferred Label : t2 teacher interaction item 5
- Range : Numeric
- Measurement Level : Scale
- Value Space
 - 1.0 : strongly disagree
 - 2.0 : disagree
 - 3.0 : neutral
 - 4.0 : agree
 - 5.0 : strongly agree
- Width : 8
- Decimals : 0
- Columns : 8
- Not Applicable (N/A) : 0
- File Name : t1t2_interaction_performance N=613.sav
- Used in Table : t1t2_interaction_performance N=613

■ t2_ti6

- Count : 042
- Preferred Label : t2 teacher interaction item 6
- Range : Numeric
- Measurement Level : Scale
- Value Space
 - 1.0 : strongly disagree
 - 2.0 : disagree
 - 3.0 : neutral
 - 4.0 : agree
 - 5.0 : strongly agree
- Width : 8
- Decimals : 0
- Columns : 8
- Not Applicable (N/A) : 0
- File Name : t1t2_interaction_performance N=613.sav
- Used in Table : t1t2_interaction_performance N=613

■ t2_ti7

- Count : 043
- Preferred Label : t2 teacher interaction item 7
- Range : Numeric
- Measurement Level : Scale
- Value Space
 - 1.0 : strongly disagree
 - 2.0 : disagree

- 3.0 : neutral
- 4.0 : agree
- 5.0 : strongly agree
- Width : 8
- Decimals : 0
- Columns : 8
- Not Applicable (N/A) : 0
- File Name : t1t2_interaction_performance N=613.sav
- Used in Table : t1t2_interaction_performance N=613

■ t2_ti8

- Count : 044
- Preferred Label : t2 teacher interaction item 8
- Range : Numeric
- Measurement Level : Scale
- Value Space
 - 1.0 : strongly disagree
 - 2.0 : disagree
 - 3.0 : neutral
 - 4.0 : agree
 - 5.0 : strongly agree
- Width : 8
- Decimals : 0
- Columns : 8
- Not Applicable (N/A) : 0
- File Name : t1t2_interaction_performance N=613.sav
- Used in Table : t1t2_interaction_performance N=613

■ t2_pi1

- Count : 045
- Preferred Label : t2 peer interaction item 1
- Range : Numeric
- Measurement Level : Scale
- Value Space
 - 1.0 : strongly disagree
 - 2.0 : disagree
 - 3.0 : neutral
 - 4.0 : agree
 - 5.0 : strongly agree
- Width : 8
- Decimals : 0
- Columns : 8
- Not Applicable (N/A) : 0
- File Name : t1t2_interaction_performance N=613.sav
- Used in Table : t1t2_interaction_performance N=613

■ t2_pi2

- Count : 046
- Preferred Label : t2 peer interaction item 2
- Range : Numeric
- Measurement Level : Scale
- Value Space
 - 1.0 : strongly disagree
 - 2.0 : disagree
 - 3.0 : neutral
 - 4.0 : agree
 - 5.0 : strongly agree
- Width : 8
- Decimals : 0
- Columns : 8
- Not Applicable (N/A) : 0
- File Name : t1t2_interaction_performance N=613.sav
- Used in Table : t1t2_interaction_performance N=613

■ t2_pi3

- Count : 047
- Preferred Label : t2 peer interaction item 3
- Range : Numeric
- Measurement Level : Scale
- Value Space
 - 1.0 : strongly disagree
 - 2.0 : disagree
 - 3.0 : neutral
 - 4.0 : agree
 - 5.0 : strongly agree
- Width : 8
- Decimals : 0
- Columns : 8
- Not Applicable (N/A) : 0
- File Name : t1t2_interaction_performance N=613.sav
- Used in Table : t1t2_interaction_performance N=613

■ t2_pi4

- Count : 048
- Preferred Label : t2 peer interaction item 4
- Range : Numeric
- Measurement Level : Scale
- Value Space
 - 1.0 : strongly disagree
 - 2.0 : disagree
 - 3.0 : neutral
 - 4.0 : agree
 - 5.0 : strongly agree
- Width : 8
- Decimals : 0
- Columns : 8
- Not Applicable (N/A) : 0
- File Name : t1t2_interaction_performance N=613.sav

- Used in Table : t1t2_interaction_performance N=613

■ t2_pi5

- Count : 049
- Preferred Label : t2 peer interaction item 5
- Range : Numeric
- Measurement Level : Scale
- Value Space
 - 1.0 : strongly disagree
 - 2.0 : disagree
 - 3.0 : neutral
 - 4.0 : agree
 - 5.0 : strongly agree
- Width : 8
- Decimals : 0
- Columns : 8
- Not Applicable (N/A) : 0
- File Name : t1t2_interaction_performance N=613.sav
- Used in Table : t1t2_interaction_performance N=613

■ t2_pi6

- Count : 050
- Preferred Label : t2 peer interaction item 6
- Range : Numeric
- Measurement Level : Scale
- Value Space
 - 1.0 : strongly disagree
 - 2.0 : disagree
 - 3.0 : neutral
 - 4.0 : agree
 - 5.0 : strongly agree
- Width : 8
- Decimals : 0
- Columns : 8
- Not Applicable (N/A) : 0
- File Name : t1t2_interaction_performance N=613.sav
- Used in Table : t1t2_interaction_performance N=613

■ t2_pi7

- Count : 051
- Preferred Label : t2 peer interaction item 7
- Range : Numeric
- Measurement Level : Scale
- Value Space
 - 1.0 : strongly disagree
 - 2.0 : disagree
 - 3.0 : neutral
 - 4.0 : agree
 - 5.0 : strongly agree
- Width : 8
- Decimals : 0
- Columns : 8
- Not Applicable (N/A) : 0
- File Name : t1t2_interaction_performance N=613.sav
- Used in Table : t1t2_interaction_performance N=613

■ t2_pi8

- Count : 052
- Preferred Label : t2 peer interaction item 8
- Range : Numeric
- Measurement Level : Scale
- Value Space
 - 1.0 : strongly disagree
 - 2.0 : disagree
 - 3.0 : neutral
 - 4.0 : agree
 - 5.0 : strongly agree
- Width : 8
- Decimals : 0
- Columns : 8
- Not Applicable (N/A) : 0
- File Name : t1t2_interaction_performance N=613.sav
- Used in Table : t1t2_interaction_performance N=613

■ t2_effort1

- Count : 053
- Preferred Label : t2 study effort item 1
- Range : Numeric
- Measurement Level : Scale
- Value Space
 - 0.0 : never
 - 1.0 : rarely
 - 2.0 : occasionally
 - 3.0 : regularly
 - 4.0 : frequently
 - 5.0 : very frequently
 - 6.0 : always
- Width : 8
- Decimals : 0
- Columns : 8
- Not Applicable (N/A) : 0
- File Name : t1t2_interaction_performance N=613.sav
- Used in Table : t1t2_interaction_performance N=613

■ t2_effort2

- Count : 054
- Preferred Label : t2 study effort item 2

- Range : Numeric
- Measurement Level : Scale
- Value Space
 - 0.0 : never
 - 1.0 : rarely
 - 2.0 : occasionally
 - 3.0 : regularly
 - 4.0 : frequently
 - 5.0 : very frequently
 - 6.0 : always
- Width : 8
- Decimals : 0
- Columns : 8
- Not Applicable (N/A) : 0
- File Name : t1t2_interaction_performance N=613.sav
- Used in Table : t1t2_interaction_performance N=613

■ t2_effort3

- Count : 055
- Preferred Label : t2 study effort item 3
- Range : Numeric
- Measurement Level : Scale
- Value Space
 - 0.0 : never
 - 1.0 : rarely
 - 2.0 : occasionally
 - 3.0 : regularly
 - 4.0 : frequently
 - 5.0 : very frequently
 - 6.0 : always
- Width : 8
- Decimals : 0
- Columns : 8
- Not Applicable (N/A) : 0
- File Name : t1t2_interaction_performance N=613.sav
- Used in Table : t1t2_interaction_performance N=613

■ t2_enga1

- Count : 056
- Preferred Label : t2 study engagement item 1 vigor
- Range : Numeric
- Measurement Level : Scale
- Value Space
 - 0.0 : never
 - 1.0 : rarely
 - 2.0 : occasionally
 - 3.0 : regularly
 - 4.0 : frequently
 - 5.0 : very frequently
 - 6.0 : always
- Width : 8
- Decimals : 0
- Columns : 8
- Not Applicable (N/A) : 0
- File Name : t1t2_interaction_performance N=613.sav
- Used in Table : t1t2_interaction_performance N=613

■ t2_enga2

- Count : 057
- Preferred Label : t2 study engagement item 2 dedication
- Range : Numeric
- Measurement Level : Scale
- Value Space
 - 0.0 : never
 - 1.0 : rarely
 - 2.0 : occasionally
 - 3.0 : regularly
 - 4.0 : frequently
 - 5.0 : very frequently
 - 6.0 : always
- Width : 8
- Decimals : 0
- Columns : 8
- Not Applicable (N/A) : 0
- File Name : t1t2_interaction_performance N=613.sav
- Used in Table : t1t2_interaction_performance N=613

■ t2_enga3

- Count : 058
- Preferred Label : t2 study engagement item 3 absorption
- Range : Numeric
- Measurement Level : Scale
- Value Space
 - 0.0 : never
 - 1.0 : rarely
 - 2.0 : occasionally
 - 3.0 : regularly
 - 4.0 : frequently
 - 5.0 : very frequently
 - 6.0 : always
- Width : 8
- Decimals : 0
- Columns : 8
- Not Applicable (N/A) : 0
- File Name : t1t2_interaction_performance N=613.sav
- Used in Table : t1t2_interaction_performance N=613

■ t2_gpa

- Count : 059
- Preferred Label : t2 GPA
- Range : Numeric
- Measurement Level : Scale
- Width : 8
- Decimals : 1
- Columns : 8
- Not Applicable (N/A) : 0
- File Name : t1t2_interaction_performance N=613.sav
- Used in Table : t1t2_interaction_performance N=613

■ t2_ti1

- Count : 060
- Preferred Label : t2 teacher interaction item 1: recoded
- Range : Numeric
- Measurement Level : Scale
- Width : 8
- Decimals : 0
- Columns : 8
- Not Applicable (N/A) : 0
- File Name : t1t2_interaction_performance N=613.sav
- Used in Table : t1t2_interaction_performance N=613

■ t2_m_ti

- Count : 061
- Preferred Label : t2 mean teacher interaction
- Range : Numeric
- Measurement Level : Scale
- Width : 8
- Decimals : 2
- Columns : 8
- Not Applicable (N/A) : 0
- File Name : t1t2_interaction_performance N=613.sav
- Used in Table : t1t2_interaction_performance N=613

■ t2_m_pi

- Count : 062
- Preferred Label : t2 mean peer interaction
- Range : Numeric
- Measurement Level : Scale
- Width : 8
- Decimals : 2
- Columns : 8
- Not Applicable (N/A) : 0
- File Name : t1t2_interaction_performance N=613.sav
- Used in Table : t1t2_interaction_performance N=613

■ t2_m_effort

- Count : 063
- Preferred Label : t2 mean study effort
- Range : Numeric
- Measurement Level : Scale
- Width : 8
- Decimals : 2
- Columns : 8
- Not Applicable (N/A) : 0
- File Name : t1t2_interaction_performance N=613.sav
- Used in Table : t1t2_interaction_performance N=613

■ t2_m_enga

- Count : 064
- Preferred Label : t2 mean study engagement
- Range : Numeric
- Measurement Level : Scale
- Width : 8
- Decimals : 2
- Columns : 8
- Not Applicable (N/A) : 0
- File Name : t1t2_interaction_performance N=613.sav
- Used in Table : t1t2_interaction_performance N=613

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- Name : Erasmus University Rotterdam
- Type : Organization
- Identifier : 057w15z03
- Home Page : <http://www.eur.nl/english/>