Repository

Dataset name: survey results.csv

Version: 1.0

Data collection period: 11/16/2018-12/17/2018

Dataset Characteristics: Multivalued

Number of Instances: 720 **Number of Attributes:** 45

Missing Values: Yes

Area(s): Health and education

Sources:

- Primary:

a. Survey (Supplementary material)

- Secondary:

- a. Virtual Learning Environment of the Brazilian Health System [1];
- b. Brazilian Occupational Classification (CBO) [2]; and
- c. National Registry of Health Care Facilities (CNES) [3];

Description: The dataset survey_results.csv comprises survey data from the following sources: AVASUS, CNES, CBO, and a questionnaire applied to 720 AVASUS course participants. The objective of this paper was to assess the impacts of the educational offerings on health services and AVASUS course participants' professional practice. A total of 720 AVASUS users enrolled in different courses answered the questionnaire. These data can be used for impact analysis in the Brazilian health system, especially those related to health training. Finally, the data dictionary is presented in Table 1.

Table 1: Description of Dataset Features.

Attributes (Brazilian portuguese/ English)	Description	datatype	Value
ID	Unique identifier of a course participant (anonymous).	Numerical.	Randomly generated integer.
CURSO (COURSE)	Course to which the student is enrolled and that they described in the questionnaire	Categorical.	AVASUS course list
PERCENTUAL	Percentage of course completion.	Numerical.	Ranging from 0 to

DO CURSO (COURSE COMPLETION %)			100.
MUNICÍPIO (CITY)	City where the participant resides.	Categorical.	Name of the city or NaN.
UF	Brazilian Federative Unit (UF) where the participant resides.	Categorical.	Name of the UF or NaN (Not a Number).
TIPO USUÁRIO (USER TYPE)	Classification of the type of course participant/user in AVASUS	Categorical.	General user / More Doctors programme user / Ex: More Doctors
MUN DE ATUAÇÃO (PLACE OF WORK)	City where the participant works.	Categorical.	Name of the city or NaN.
UF ATUAÇÃO (STATE OF WORK)	Brazilian Federative Unit in which the participant works.	Categorical.	Name of the UF or NaN.
CNES	Information that refers to the health facility where the participant works.	Numerical.	CNES Code or NaN.
FORMAÇÃO (EDUCATION)	Information that refers to course participant's education level	Categorical.	Free-form text.
PROFISSÃO_C BO (CBO PROFESSION)	Title that refers to participant's occupation obtained from CNES and CBO.	Categorical.	Nome da ocupação.
data termino curso (course completion date)	Date of course completion in AVASUS.	Date.	Date.
ATTRIBUTES FROM QUESTIONNAIRE			
Q0	Which professional activity do you do?	Categorical.	Free-form text.
Q1	What was the main reason for you to undertake this course?	Categorical.	See supplementary file.
Q1_OUTRO (Q1_OTHER)	Since your reason for taking this course was "Other", please describe.	Categorical.	Free-form text.
Q2	Have you recommended this course to	Categorical.	See supplementary file.

	someone?		
Q2_1	Since your answer was "YES," when was the last time you recommended this course to someone?	Categorical.	See supplementary file.
Q2_2	To whom else did you recommend this course?	Categorical.	See supplementary file.
Q2_3	Why did you recommend such a course to someone?	Categorical.	See supplementary file.
Q2_3_OUTRO (Q2_3_OTHER)	Why did you recommend such a course to someone? "Other reason"	Categorical.	Free-form text.
Q3	Did the course content, in any circumstances, help you in your decision-making in any problem situation, professional practice, or conduct?	Categorical.	See supplementary file.
Q4_SIM (Q4_YES)	If your answer was "YES," please name a problem situation where the course content has contributed to your decision-making process?	Categorical.	Free-form text.
Q4_EM_PARTE (Q4_PARTIALL Y)	If your answer was "PARTLY," please specify a problem situation where the course content has contributed to your decision-making process?	Categorical.	Free-form text.
Q5	Have you discussed or shared what you have learned from the course with coworkers?	Categorical.	See supplementary file.
Q5_SIM (Q5_YES)	If your previous answer was "YES," when was the last time you discussed or shared what you learned from the course with coworkers?	Categorical.	See supplementary file.
Q5_EM_PARTE (Q5_PARTIALL Y)	If your previous answer was "PARTLY," when was the last time you discussed or shared what you learned from the course with coworkers?	Categorical.	See supplementary file.
Q5_2_1	Are the course - content - dimensions relevant to be shared?	Categorical.	See supplementary file.
Q5_2_2	Are the course - procedures - dimensions relevant to be shared?	Categorical.	See supplementary file.
Q6	In your opinion, has the health facility where you work provided the conditions for you to apply what you learned from the course?	Categorical.	See supplementary file.

Q6_1_SIM (Q6_1_YES)	If you have chosen to answer "YES" in Q6, such applicability has involved: (feel free to check both options)	Categorical.	See supplementary file.
Q6_1_EM_PART E (Q6_1_PARTIAL LY)	If you have chosen to answer "PARTLY" in Q6, this applicability involved: (feel free to check both options)	Categorical.	See supplementary file.
Q6_1_1	Which dimension has facilitated this applicability the most?	Categorical.	See supplementary file.
Q6_1_1_OUTRO (Q6_1_1_OTHE R)	If you have chosen to answer "OTHER" in Q6_1_1, which dimension has facilitated this applicability the most?	Categorical.	Free-form text.
Q6_2	If you selected the answer "NO" in Q6_1_1, please specify why you have not applied the course content in the health care facility where you work:	Categorical.	See supplementary file.
Q6_2_OUTRO (Q6_2_OTHER)	Since you answered "OTHER", please specify.	Categorical.	Free-form text.
Q6_2_OUTROS (Q6_2_OTHER)	Since you answered "OTHER", please specify.	Categorical.	Free-form text.
Q7	Do you consider that this course contributes to meeting the health service demands in the health unit where you work?	Categorical.	See supplementary file.
Q7_1_SIM (Q7_1_YES)	If you answered "YES," that demand was related to:	Categorical.	See supplementary file.
Q7_1_EM_PART E (Q7_1_EM_PAR TE	If you answered "PARTLY," that demand was related to:	Categorical.	See supplementary file.
Q7_1_OUTRO	If you selected the answer "OTHER" in Q7_1_YES, that demand was related to:	Categorical.	Free-form text.
Q7_1_OUTROS (Q7_1_OTHER)	If you selected the answer "OTHER" in Q7_1_EM_PARTE, that demand was related to:	Categorical.	Free-form text.
Q8	In your opinion, in order for the course to contribute more directly to your professional performance, it should be more focused on discussing: (Please choose only one option)	Categorical.	See supplementary file.
Q8_OUTROS (Q8_OTHER)	Since your answer was "OTHER," Please describe what the course should offer to contribute more directly to your	Categorical.	Free-form text.

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	professional performance.		
Q9	From the contents and procedures learned, did you enhance your teamwork skills?	Categorical.	See supplementary file.
Q10	From the contents and procedures learned from the course, has your work team improved health care delivery?	Categorical.	See supplementary file.

References

- [1] Brasil (2021a). Ambiente virtual de aprendizagem do sus avasus. Home page Available from: https://avasus.ufrn.br/.
- [2] Brasil (2021b). Classificação brasileira de ocupações CBO. Available from: http://www.mtecbo.gov.br/cbosite/pages/home.jsf .
- [3] Brasil (2021c). Cadastro nacional de estabelecimentos de saúde CNES. Available from: http://cnes.datasus.gov.br/.

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