



UNIVERSIDAD  
**DE ATACAMA**

FACULTAD DE MEDICINA  
Departamento de Medicina

# DIGITAL CHALLENGES OVER TEACHING IN A PANDEMIC ERA: a study case in the Atacama University

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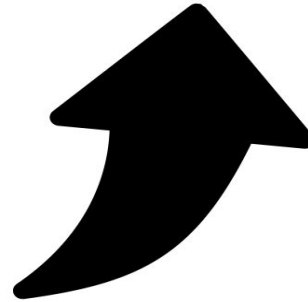
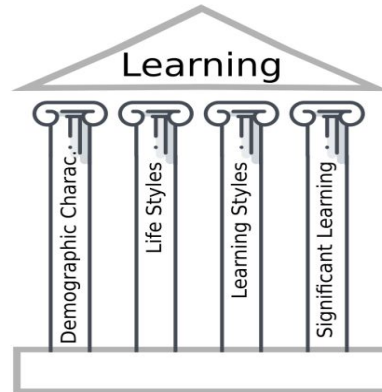
# Visual Abstract

MEDICAL SCHOOL

GOOGLE  
FORMS



LEARNING  
CHARACTERISTICS



# Motivation

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The COVID-19 pandemic forced different governments to adopt a series of sanitary measures [1], such as *social distancing*, nonetheless diminished the pillar of the traditional education which deals directly with the in-person relation between teacher-student. Thus, the transformation of the mechanism of communication was abruptly forced to be changed towards the digitization of pedagogy to maintain the educational process at all levels.

The online teaching modality worldwide, before the pandemic, was developing at university educational centers for the medical career remain an open [2, 3]. For instance, education in Latin America faces a greater challenge, due distance education was present in a comparatively lower percentage rather than in regions such as Europe or North America [4, 5].

# Objective and Methodology

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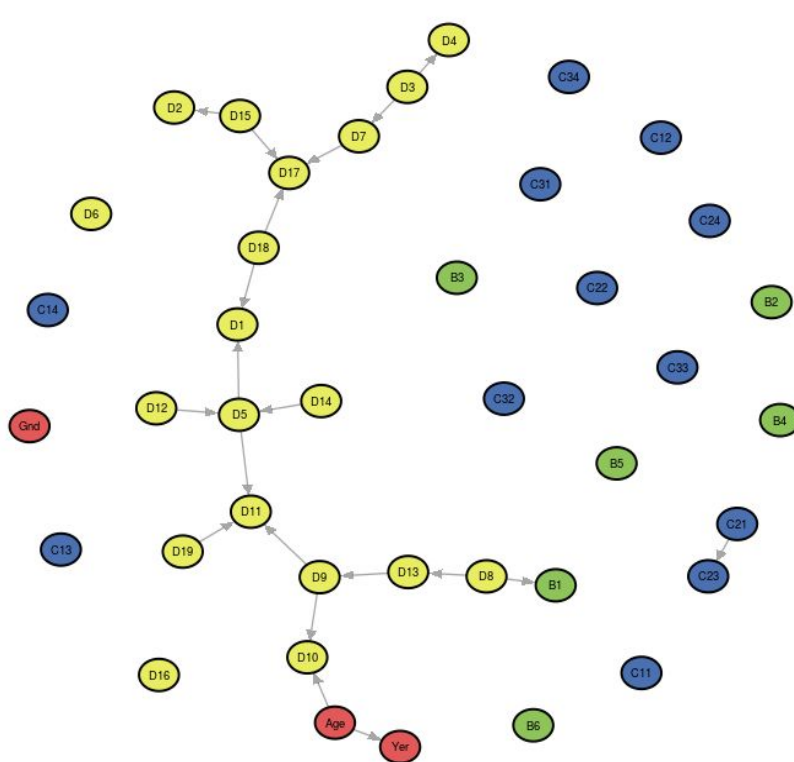


This work analyzed the perception of undergraduate medical students from the University of Atacama (UDA). It is important to mention that this school is in the first years of existence, demanding an auto-evaluation and regulation persuading constantly the innovation and improvement towards teaching methods, regardless of this pandemic period.

The “reception” learning and retention of meaningful material, presented by David Ausubel [6], adopted as a digital survey (42 questions), and, then, used as a tool to estimate the causal inference, as a Bayesian Network, representing the educational psychology elements.

From all medical undergraduate student from UDA, we obtained a sample size resulted in a total of 51 responses from 05/10/2021 till 05/31/2021.

# Results



- Demographics
- Life Styles
- Learning Style
- Significant Learning

## IMPORTANT CHARACTERISTICS:

- Motivation
- Social constructivism
- Positive reinforcement
- Historical constructivism
- Prior and Significant Knowledge

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