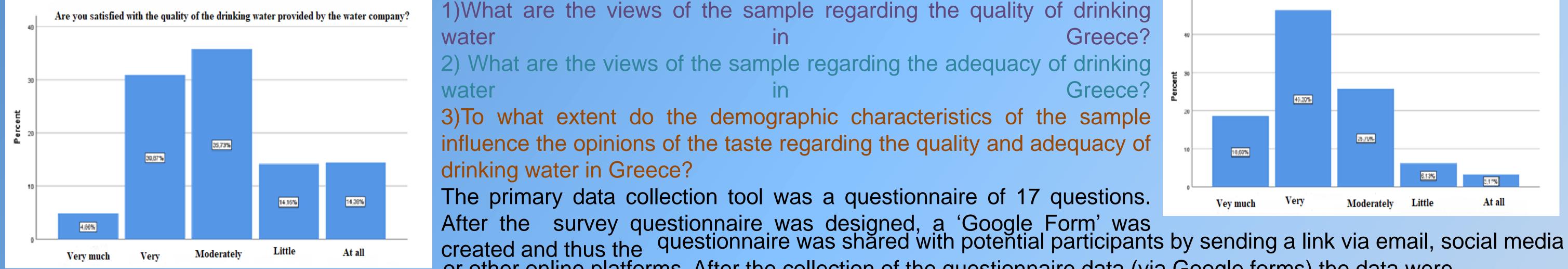
## Sustainable water resources management and drinking water quality – a social survey

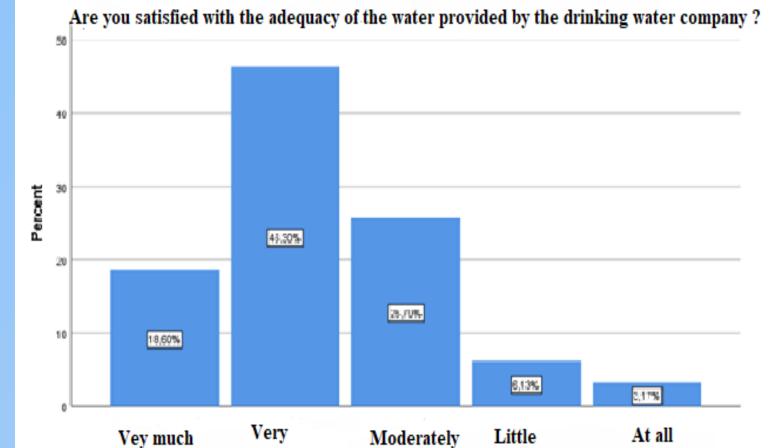
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## Introduction

In the present study, water resources management and drinking water technology are investigated through a literature review as well as a quantitative questionnaire survey. This review was conducted in order to explore the opinions of the sample regarding the quality and adequacy of drinking water. The sample was selected through convenience sampling and the research questions were as follows: satisfied with the adequacy of the water provided by the drinking water company ?





Do you know of cases where

water needs are not met in

Technical Bachelor Master Doctorate

& Further GraduatesGraduatesGraduates

Graduates

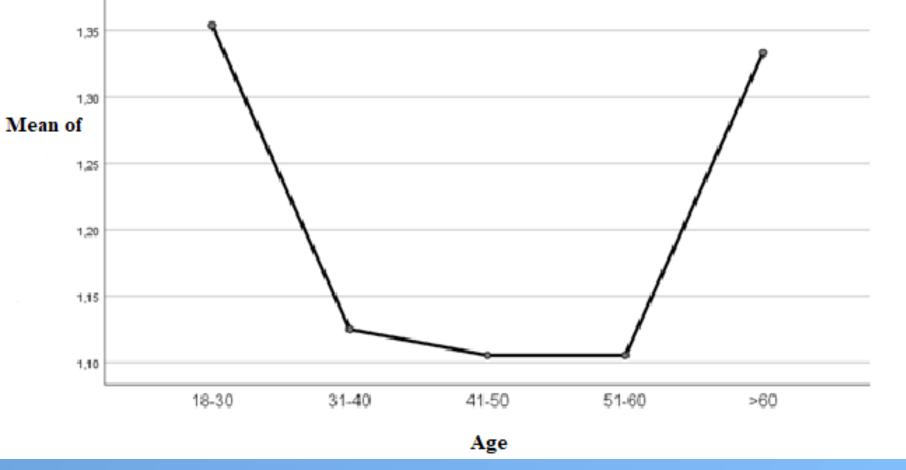
Educational level

terms of quality?

The primary data collection tool was a questionnaire of 17 questions.

or other online platforms. After the collection of the questionnaire data (via Google forms) the data were

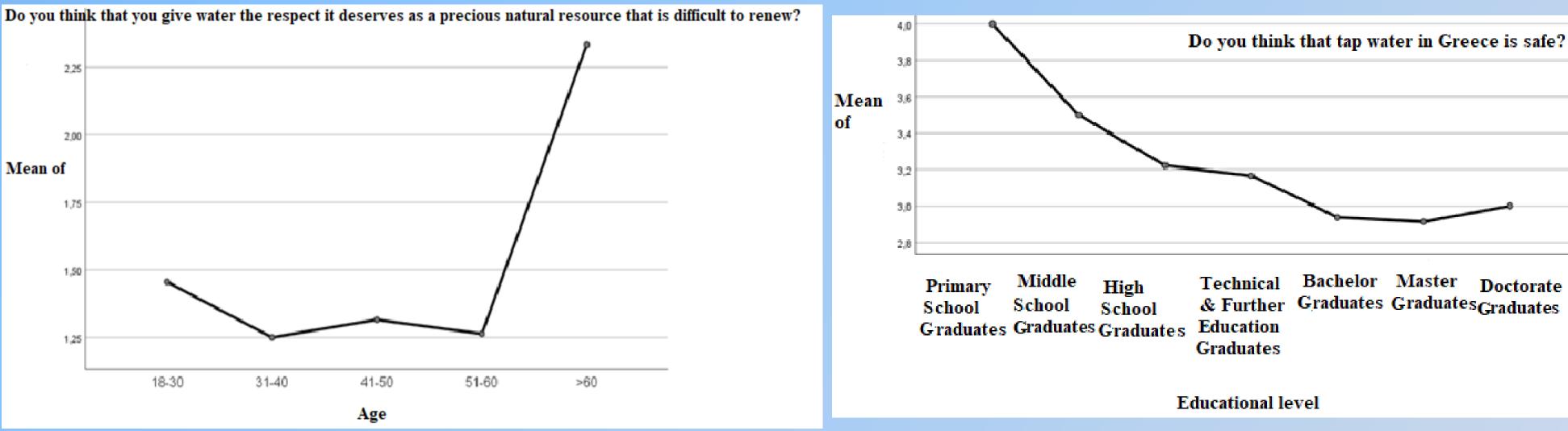
appropriately coded and analyzed with the statistical program SPSS V.26. Do you know any cases of areas in Greece where water needs are not met from a quantitative point of view?



According to the results of the survey:

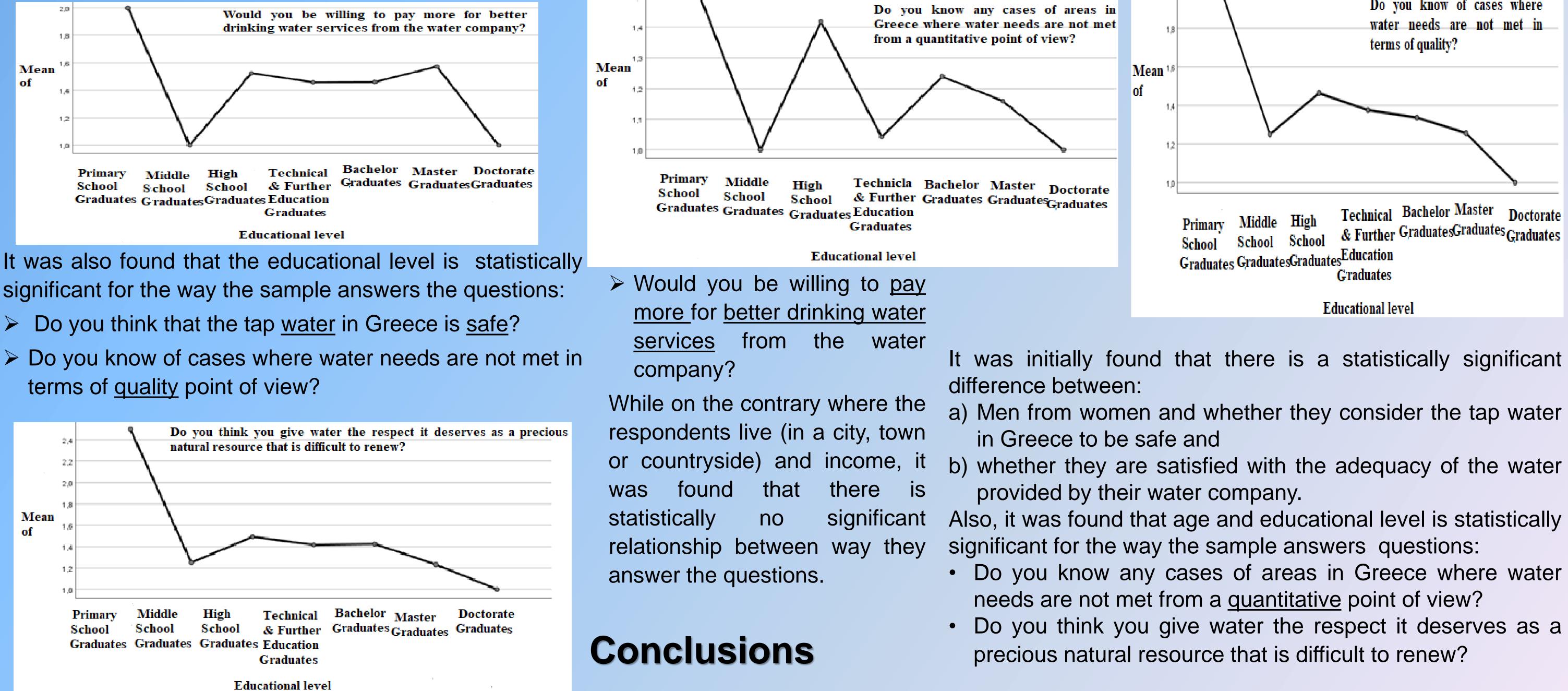
 The majority of the sample consumes tap water with a filter and only about a third of the sample

## **Results & Discussion**



answers that they are satisfied to a large extent with their water supply network.

- About one in two people in the sample consider that the tap water in Greece is moderately safe, while the majority declares that they are very satisfied with the adequacy of the water provided by the water supply company. Although, they know of areas in Greece where the needs for water are not satisfied from a quantitative but also a qualitative point of view.
- One in two respondents are moderately satisfied with the water company's value for money but are willing to pay more for better drinking water services.
- Regarding the sample's view of whether climate change affects the state of water bodies in their Water District, almost half answered that it affects them, while more than half said that they control water use at home and at work and implement economy practices.



significant for the way the sample answers questions:

- Do you know any cases of areas in Greece where water needs are not met from a <u>quantitative</u> point of view?
- Do you think you give water the respect it deserves as a precious natural resource that is difficult to renew?

Recognizing differences in perceptions between genders, age groups and educational level can provide useful information for :

- policy decisions
- public awareness campaigns
- targeted interventions to handling of any concerns or dissatisfaction identified.

Furthermore, the place of residence of the sample could be investigated, so as to identify the regions of Greece with the most focused problems regarding the quantity and quality of drinking water. In addition, qualitative research could be carried out using the interview as a tool, so as to investigate in depth the causes of these differences, which were identified in the present research. Water resources management and drinking water technology are issues which affect both quality of life and viable development.

The challenge is twofold:

- To ensure the availability and quality of water
- $\checkmark$  To manage the resource in a way that is <u>sustainable and</u> socially fair.

Further research in this area is essential in order to solve the challenges we are going to face and shaping a sustainable future, given the challenges enforced by climate change in Greece.