

LA CASA DE CAFÉ: contributions of coffee history for teaching and learning of statistical graphics

The Coffee is the second most consumed drink in Brazil. Water is the first one.

Objective

To learn about interpretation and construction of graphics through an interdisciplinary way by students' investigation.

Method

There were eleven classes of 50 minutes, with 18 students from the 8th grade of Basic Education.

The research started from the question: what is your favorite drink, considering the breakfast? The coffee was the most mentioned drink.

The literature review addressed reflections on themes from the coffee universe, according to the Google images collected by the students:

- Historical (Legend) and Geographic (Location);



- * Biological (Genetic) and Chemical (Caffeine);



- * Economic, Mathematical and Statistical.



By recycled materials (offscourings), the students reconstructed graphics, based on data from Research Institutes. Then, they analyzed and elaborated reviews about the constituent elements of the graphics.



They created different types of graphics in Excel, comparing them and considering on the best graphical representation.



The results of *La Casa de Café* were presented to the entire school.



Conclusions

Through the proposal, the students recognized the presence of Statistics and other knowledge areas in their daily lives. Thus, the history of coffee contributed to teaching and learning graphics, by a critical and argumentative perspective, as proposed by Gal (2002).

Reference

Gal, I.. Adults' Statistical Literacy: Meanings, Components, Responsibilities. In: *International Statistical Review*. Israel, 2002. p. 1-25. 2002./