

Statistical Atlas on the Gender Equality Index

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Abstract:

The Central Bureau of Statistics is proud to present a statistical atlas focusing on gender equality. The maps were developed to provide readers with a clear, visual, and tangible representation of gender-related issues. This atlas is innovative in its kind and aims to spatially present and make accessible statistical data disaggregated by gender, across local authorities.

The added value of the atlas lies in its ability to reveal spatial patterns and simplify complex observations through geographic visualization. For each indicator, the atlas presents three maps based on official statistics: one for women, one for men, and a novel difference map designed to highlight gender gaps as expressed in space.

The lecture will begin with a general overview of the atlas, which emerged from an innovative approach to representing population groups in maps. This will be followed by a presentation of the atlas structure, which includes 57 maps by indicators, each displayed in three versions: men, women, and a difference map.

The presentation will then address the cartographic challenges encountered during the mapping process, including questions such as how to present gender gaps in a comparable way, and whether and how difference maps should be used. This discussion will elaborate on the selection of appropriate colour schemes, classification methods, and geographic methodology, as well as the handling of multiple categories.

Selected maps will be presented to demonstrate the comparison between women and men, and to highlight the contribution of difference maps to understanding spatial patterns.

Finally, I will present the Gender Equality Index, currently under development, and discuss how the maps will serve as a supporting tool for the index. In addition, I will outline the transition from PDF-based publication to an interactive format. Publishing on platforms such as ArcGIS Online or dedicated dashboards will enable users to perform customized filtering, comparisons, and data exploration, making the information more accessible and relevant.

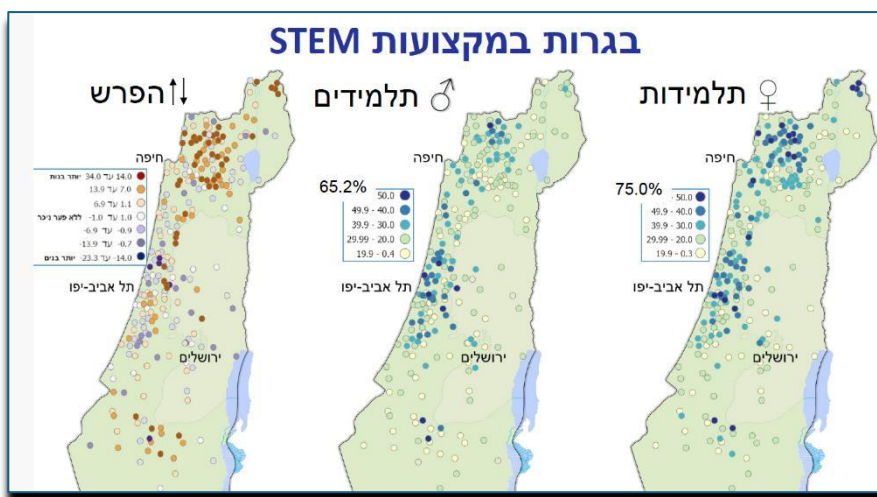


Figure 1: Example of the spatial distribution of a statistical indicator by gender. Each point on the map represents a local authority. A national trend can be observed, showing a higher share of female students eligible in STEM fields, particularly in northern Israel.