

Towards a child-centered approach: Making a data literacy training journey

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Abstract

The paper discusses the challenges faced in overhauling the educational section of Mexico's National Statistical Office (INEGI) website. This website has been around since 2005 and has had over 65 million users, with 6.3 million in just the past year. With the renewed section, we aim to jumpstart a children's long-term 'training journey' by providing them with statistical and geographic information suited to their interests and needs. This implies considering children not only as future users but as today's users with full information rights.

In overhauling the educational section, we mainly seek to provide children with information to transform their realities. To this end, we plan to select human rights-related topics, tailor visualizations to each age group, as well as provide a support tool for families and teachers. Additionally, we are working on a dissemination program oriented towards the value of information, and a data literacy program.

To achieve this, we assembled a multidisciplinary team of experts in pedagogy, mathematics, statistics, geography, visualization, communications, teaching, and design to develop guidelines for content creation. As we defined each element, we requested direct input from the intended audience and incorporated their feedback on design, content, interactivity, and understanding.

Altogether, our project aims to promote, among children, the democratization of statistical and geographic information and contribute to training active, critical, and informed citizens who use data for social transformation.