

**TOWARDS A MORE
STATISTICALLY
LITERATE FUTURE**

Cooperation and passion

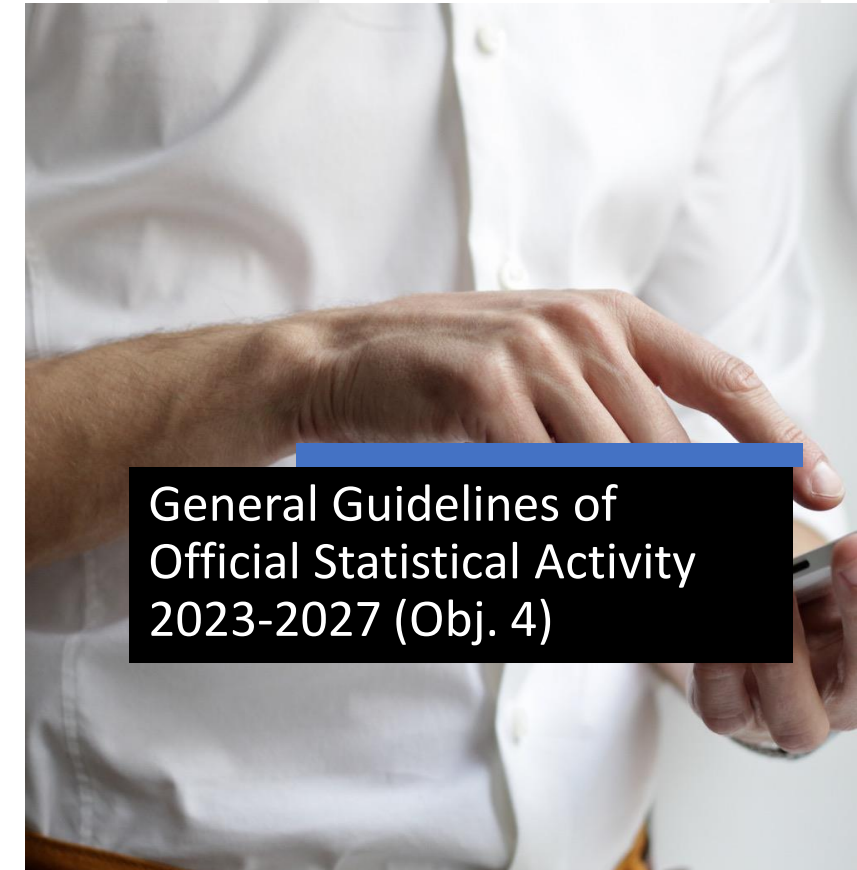
Projects to improve statistical literacy
Francisco Lima, Statistics Portugal

OBJETIVE



Consolidate the role of official statistics in society, finding ways to better communicate efficiently and effectively

- Increase visibility and improve understanding
- Improve usability and accessibility
- Foster and improve the availability and harmonization of metadata
- Strengthen trust in and use of official statistics and fight misinformation, contributing to a democratic society and protecting the fundamental rights of citizens
- **Increase statistical literacy through an integrated strategy and by strengthening partnerships**



Stimulating statistical literacy @school



Planting Today
to
Reap Tomorrow

Working with libraries@schools



Promoting a “network”
with Statistics Portugal



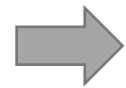
teachers

students

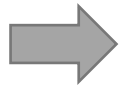
Secondary schools

Universities



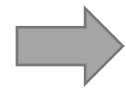


A partnership set up in 2010 with the School Libraries Network (RBE) - Ministry of Education



Core:

The school library as a “bridge” to reach the educational community and promote statistical literacy in the context of school learning



Means:

Training provided to teachers from the different curriculum areas using the contents of the Statistics Portugal portal and a wide range of digital resources available on ALEA website (ALEA - Local Action of Applied Statistics)





Statistics Portugal Information Network in Higher Education Institutions (RIIES)

Links with Universities and Higher Education Institutions, since 2004

- Mainland and Azores
- Specific training for technicians and users
- Specific promotion actions
- All Statistics Portugal publications available

Hundreds of sessions to thousands of users

In these sessions we teach how to look for data but also how to look at data, showing for instance the concepts behind employment/unemployment statistics and how they differ from the “registered unemployment”





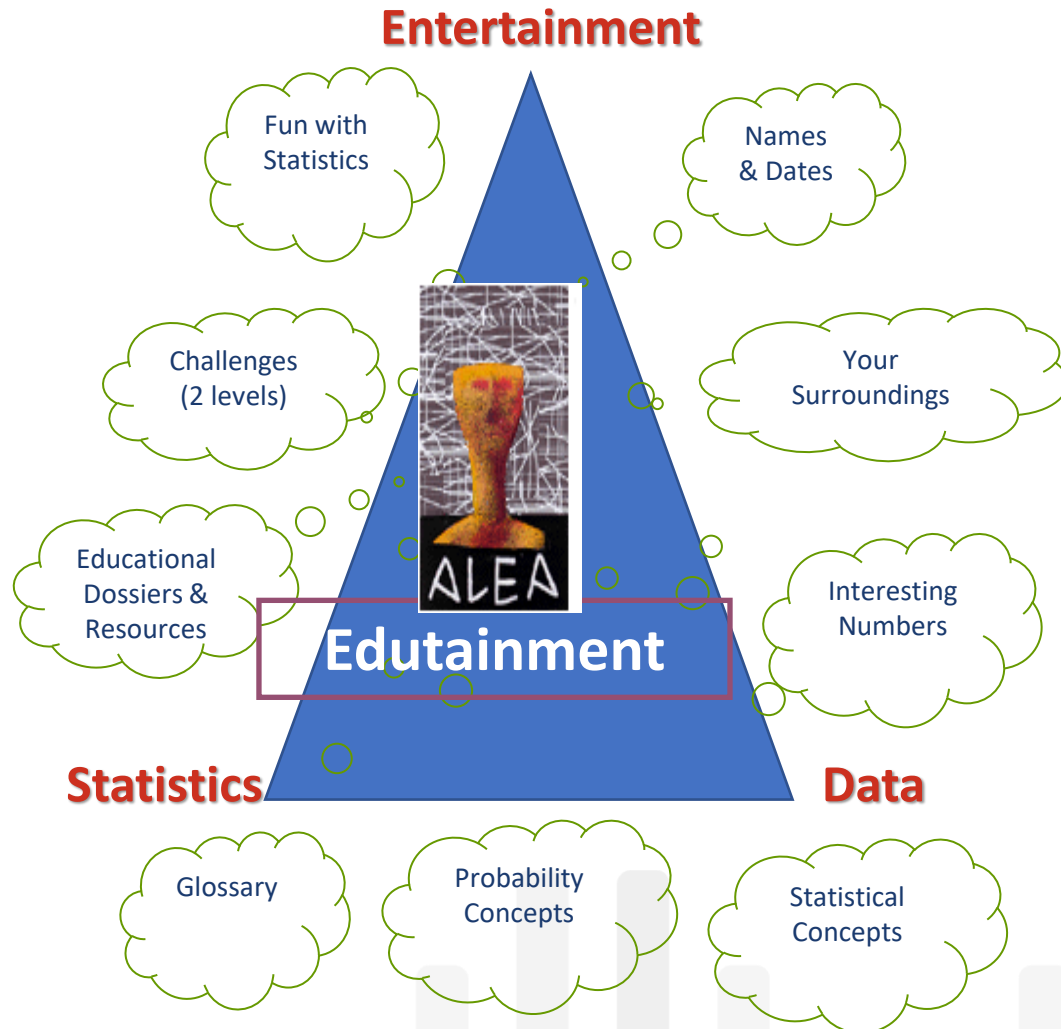
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ALEA

Local Action on Applied Statistics
A place to understand numbers...

An initiative started around 2000 by a partnership between Statistics Portugal, a public secondary school, and an institution from the Ministry of Education



ALEA was designed for the specific purpose of providing tools related to understanding, using and teaching statistics

Aimed essentially at secondary school teachers and pupils

ALEA is thus an instrument for promoting statistical literacy

It is also an important resource for supporting interdisciplinary projects and can benefit many other groups

www.alea.pt



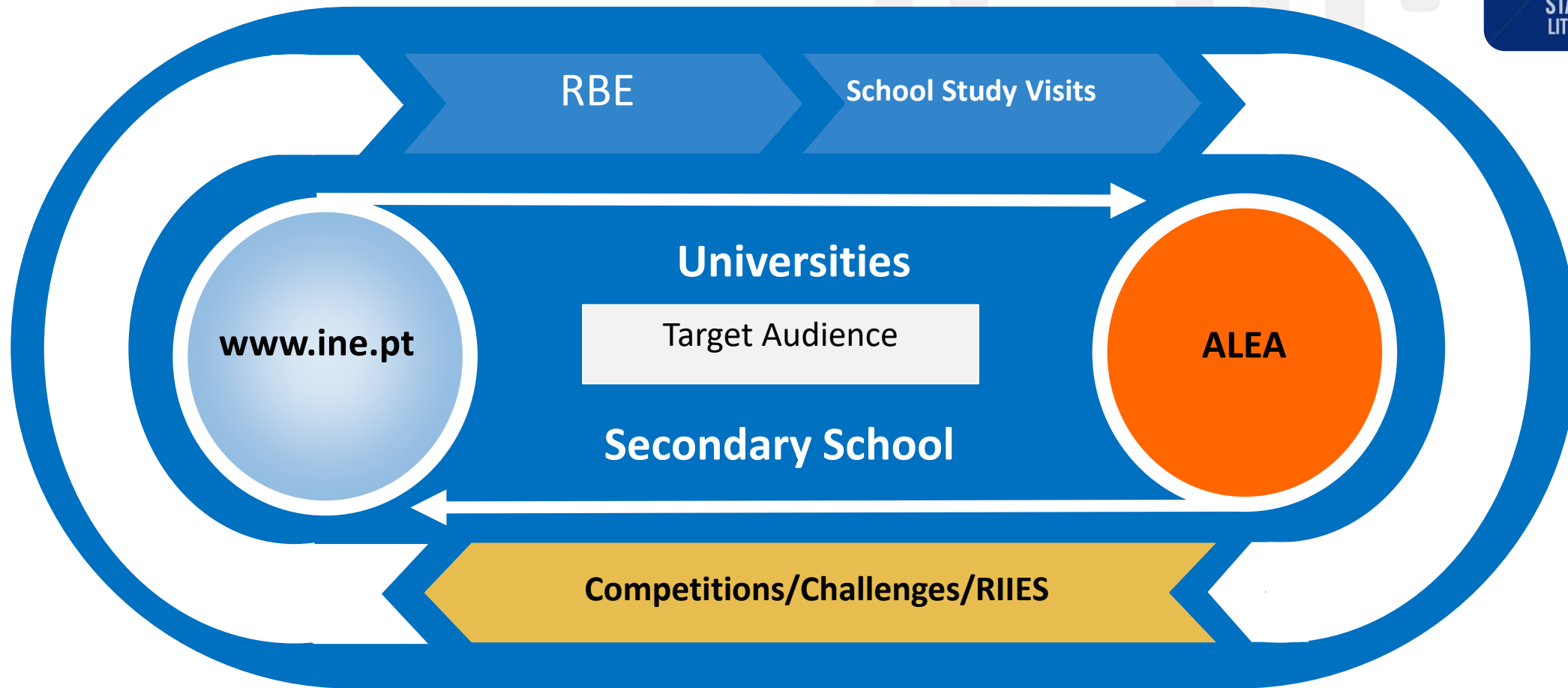
Statisticians are like the drunk leaning against the lamp pole - they are there for support not illumination.

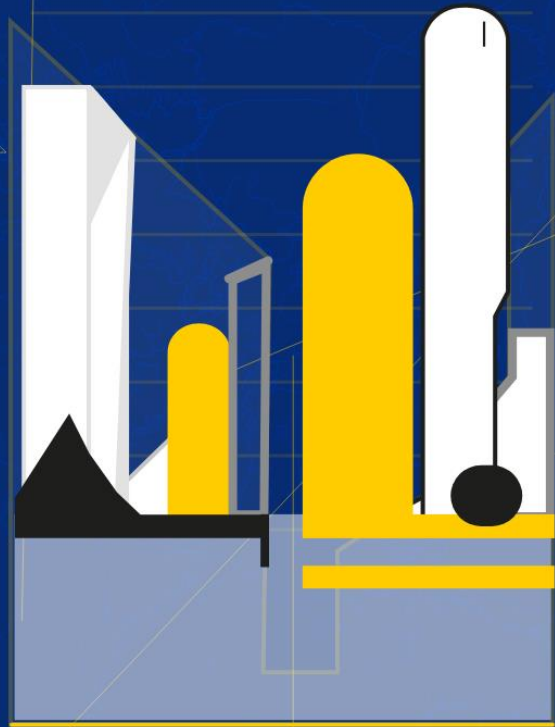
Our practice shows us the efficiency of alternative resources for teaching and learning statistics such as ALEA to promote statistical literacy:

- by joining theoretical concepts with real data
- and improving critical and “careful” thinking!

Lets’ improve statistical literacy!

How to improve users' Statistical Literacy?





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Group discussion – questions

1. What lessons can be learned from past collaborations or initiatives between statistical institutes and educational institutions?
2. What strategies can ensure partnerships that are mutually beneficial and sustainable?
3. What are the main challenges, and how can they be overcome in the digital age amidst abundant information and misinformation?