TUTORIAL VIDEOS OF STATISTICS IN A TABLET: APPES

University of Granada (Spain)
New technologies, new methodologies

**APPES**

**Introduction**

New Tech.

**APPES**

**APPES: TV Didactic Methodology**

**APPES: TV Technical Aspects**
- Hardware
- Software

**APPES in a Tablet**

**History**

New technologies, new methodologies

**e-learning/e-teaching**

Communication is delivered via:

- Internet
- Intranet/extranet
- Audio or video tape
- Satellite TV
- CD-ROM...

Focus on guiding the learning process:

- Choose the information
- Showing the sources
- Guiding the students
New technologies, New methodologies: APPES

Tools for virtual teaching of statistics:

- Software
- e-books
- Webs
- applets
- HTML-based multimedia tools: via the internet or from a CD

Gutiérrez and Grima (2000), Hardle et al. (2006)

Tablets and Mobiles

APPES enables to:

- learn theoretical aspects (self-readable)
- Practical aspects (exercises and guided)
- Self-learning
- Hybrid way, (online and offline).
- Learn statistics to SEN

Objective: The aim of this work is to develop a new methodology for teaching/learning descriptive statistics through the development of

TUTORIAL VIDEOS IN APPES
The objective of a tutorial video is to transmit a knowledge set in an ordered and well-structured form with a well-defined message and everything in a short length of time.

- The video must be attractive for the student. There must be a need or desire to learn by the subject.

- The video must be composed of sequences with full meaning.

- The video must be designed by considering the characteristics of the people who are the receivers of the learning process.

- The learning process speed is different according to people. The practice and reiteration are important arguments in the learning process. Tutorial videos enable us to it.
The **tutorial videos** in **APPES** verify the following characteristics:

- The objective of everyone tutorial video in **APPES** is to show the applicability of previous knowledges through direct and attractive examples.

- The length of each video is at most 7-8 minutes, with a clear message in a direct form.

- Initially, the content and objectives of each theme are shown.
The **tutorial videos** in **APPES** verify the following characteristics:

- Then, the motivator problem is shown
The tutorial videos in APPES verify the following characteristics:

- The content of the problem is shown in detail without theoretical aspects. The emphasis through zoom is an efficient tool in the learning process.
The **tutorial videos** in APPES verify the following characteristics:

- At any moment the explication can be supported by the teacher in live.
The tutorial videos in APPES verify the following characteristics:

- The developer team is specially sensed with special educational needs people. APPES is designed by taking into account these aspects. For this reason, any video can be shown subtitled.
Tutorial VIDEOS in APPES: TECHNICAL ASPECTS
Two aspects are needed to produce tutorial videos:

- Hardware
- Software.

✓ HARDWARE

- Headphones and microphone
- Webcam
- Tablet Digitizer
- CPU
Two aspects are needed to product **tutorial videos**:

- **Hardware**
- **Software**.

**SOFTWARE**

![CamStudio](image-url)
Two aspects are needed to produce *tutorial videos*:

- **Hardware**
- **Software**.

**SOFTWARE**

![Snagit 11](image)
Two aspects are needed to produce tutorial videos:

• Hardware
• Software.

✓ SOFTWARE
Two aspects are needed to produce tutorial videos:

- **Hardware**
- **Software.**

✔ **SOFTWARE**
Two aspects are needed to produce tutorial videos:
• Hardware
• Software.

✓ SOFTWARE
How can I get a Tutorial VIDEO in APPES?

- Introduction
  New Tech.
  APPES
- APPES: TV
  Didactic Methodology
- APPES: TV
  Technical Aspects
  • Hardware
  • Software
- APPES in a Tablet
- History

Contents only available in Spanish (coming soon English version)
was born in 2013 and it has been presented in:


THANKS FOR YOUR ATTENTION