Package 'shinyCLT'

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Title Central Limit Theorem 'shiny' Application
Version 0.9.3
Description A 'shiny' application estimating the operating characteristics of the Student's t-test by Student (1908) <doi:10.1093 6.1.1="" biomet="">, Welch's t-test by Welch (1947) <doi:10.1093 34.1-2.28="" biomet="">, and Wilcoxon test by Wilcoxon (1945) <doi:10.2307 3001968=""> in one-sample or two-sample cases, in settings defined by the user (conditional distribution, sample size per group, location parameter per group, nuisance parameter per group), using Monte Carlo simulations Malvin H. Kalos, Paula A. Whitlock (2008) <doi:10.1002 9783527626212="">.</doi:10.1002></doi:10.2307></doi:10.1093></doi:10.1093>
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CLT

Launch the Central Limit Theorem Shiny application

Description

This function starts a Shiny application that demonstrates examples of the Central Limit Theorem. The app is stored internally within the package and showcases various statistical principles through interactive visualizations. Check more details at vignette("shinyCLT")

Usage

```
CLT(n.cores = NULL, mode = "app", user_plan = "cluster")
```

Arguments

n.cores Number of cores to use for calculations. Default value is NULL, which means

that half of the cores will be used with the ceiling rounding rule.

mode Change application behaviour when web browser tab or IDE preview is closed.

By default this will end the running function and stop the local shinyApp. Switching to "server" mode will keep the shiny application running in a background

even if all with application is closed.

user_plan Specifies the parallelization strategy to use. Acceptable values are "cluster" (de-

fault), "multicore", or "multisession".

Value

Runs shinyApp

Examples

```
if(interactive()){
  CLT() # Launch the CLT demonstration app
}
```

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