

Didactic Document
Theme-Based Trail about Statistics using Augmented Reality (Higher Education)

Trail code: 0410777

Contents	Key concepts	Objectives	Data to be collected	AR Element	MCM - Task Codes
Gini Coefficient	- Gini Coefficient	- Understand and choose relevant data - Determine Gini Coefficient	- Average expenses	Picture	Task 0447019
Sample Size based on Confidence Interval	- Confidence Interval - Sample Size	- Understand and choose relevant data - Interpret relation between confidence interval and sample size - Determine required sample size	- Number of people - z-value - accepted margin error	Video	Task 7847020
Correlation	- Correlation	- Understand and choose relevant data - Determine correlation	- Number of visits - Number of overnight stays	Text	Task 0947022
Revenue	- Revenue based on a linear regression model	- Understand and choose relevant data - Determine market revenue	- Number of stalls - Revenue in kEUR	Text	Task 1747024
Destandardization	- Calculate time that 90% of all rides will not exceed	- Understand and choose relevant data - Choose probability distribution - Determine destandardization	- Parameters	Picture	Task 6847026
Quantile	- Quantile	- Understand and choose relevant data - Sort data in ascending order - Determine empiric 80% quantile	- Values	Text	Task 4647027

Boxplot	- Analysis of boxplot	- Interpret boxplot figures	- Figure showing different boxplots	Picture	Task 0447028
Probability	- Probability - Geometric Distribution	- Understand and choose relevant data - Determine Geometric Distribution - Determine Probability	- Number of groups that requested a tour	Picture	Task 0147030