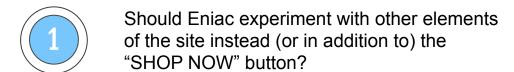
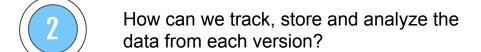


Questions





What other aspects do you think that Eniac will have to consider before thinking about launching an A/B Test?





Number of Elements in an Experiment

During an A/B test, you may not modify more than one element at a time

Multivariate testing provides the solution

 Example: testing a hypothesis for which several variables are modified (element1 = color of the button, element2 = text in the button)

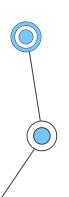
SHOP NOW

SHOP NOW

ONLY 99 €

ONLY 99 €

- Benefits: saving time, determining the impact of each variable, and measuring the impact of interactions between different elements
- Limitations: a good multivariate test requires enough website traffic
- ⇒ Yes, Eniac should experiment with other elements of the site instead (or in addition to) the "SHOP NOW" button.



Storing and Tracking Data

Storing Data

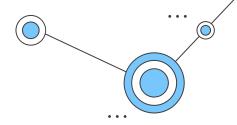
- Google Analytics (GA): Google Analytics is a web analytics service offered by Google that collects and reports website traffic and user behavior on a website.
- Google Ads conversion tracking: Examples of conversion events that can be tracked: user purchased a product, signed up for your newsletter, called your business, or downloaded your app
- Universal Event Tracking (UET): By creating one UET tag and placing it across your website,
 Microsoft Advertising will collect data that allows you to track conversion go

Tracking Data

- Correct data to support Eniac's business decision-making.
- Data should be tracked in compliance with user privacy laws and regulations (GDPR, CCPA)
- Provision of clear and understandable Eniac store performance.
- Data tracking setup matches the level of client business requirements. (e.g. GA4, data warehousing)



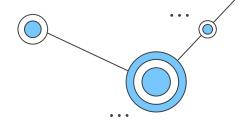
Analysing Data



- Calculate a set of values, in order to test the hypothesis, defined in the early stage of A/B testing design (statistically significant difference between original version and a variant)
- This values and procedures contains:
 - Choosing an appropriate statistical test(parametrical or non parametrical tests)
 - Calculating the statistics for test data, the p-value, statistical significance, external validity of the experiment, margin of error, confidence interval



Tracking, Storing and Analyzing the Data



- Find and use a good A/B Testing tool (like Optimizely, AB Tasty or Google Optimize) for the whole process
 - add a snippet of Javascript code in your website header
 - specify the URL that you will be running the A/B test on
 - build out the experiment variation
 - specify the goals you want to measure
 - the tool will begin diverting traffic to variant B randomly and alter the web page code
 - the tool's cookie tracks whether the visitor take specific actions to be counted against the test goal
 - wait for your test to reach enough results to declare an objective winning variant
- Create multiple sources of data (f.e. use AB Tasty & Google Optimize) so that you know you can trust your data



What to consider before doing an A/B Test

- Identify problems in Funnel (which step has a low conversion rate etc.)
- Understand user behaviour
 - Client Feedback
 - Web Analytics Data
- Formulate your hypothesis
- Come up with a possible solution

Example:

- Problem: High rate of items abandonment in the basket
- Hypothesis & Solution:
 - Provide multiple secured payment methods
 - Offer reassurance with a clear returns policy
 - Create urgency by showing a "24h special deal" discount



