

Intro

State your RQ: **Is the learning paradigm changing as technology advances?**

State and operationalize independent and dependent variables (if applicable):

	What	Operational Definition (How)
Independent	Technology Advances	Refers to the systematic and significant improvements, innovations, and developments in various fields of technology, including but not limited to information technology, communication systems, automation, robotics, artificial intelligence, biotechnology, and digitalization.
Dependent	Evolution of learning style	VARK learning model; trends in learning style seen throughout generations

State your null and alternative hypothesis (if applicable):

Null	There is no significant relationship between technology advances and changes in the learning paradigm.
Alternative	There is a significant relationship between technology advances and changes in the learning paradigm.

Key points from lit review/background research:

- Unlike previous generations, children are now learning through an online context. This (in most cases) eliminates a great amount of social interaction, personal attention, and social capital (see [this website](#) for more info)
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Methodology

State your design type (if applicable): **Correlational**

- **Why you're using this: we are trying to see if we can plot a correlation between age and learning style**

Outline your procedure:

1. Develop a questionnaire as a source for primary data
2. Based on answers to questionnaire, analyze the data and find a correlation based on age and learning style

3. To reinforce our conclusion/correlation we can run literature research on why people are beginning to learn different and if there are other factors influencing this change in learning style

State your sampling method: correlational

- **Why you're using this:**
- **Specific characteristics you are looking for in your sample:** people of different age groups and generations

Outline how you will get this sample:

- Promote the survey on social media and to friends/family, and ask for age to filter the data and spot correlation

State and explain your control variables:

Variable	Why	How
Assessment method	If assessment method is not kept the same, answers and results could vary and lead to inconsistent data	Use the same survey for entire sample
Sample Size	Asses the same sample sizes for each "generation" assessed to keep data consisten and reliable	Specify the amount of people we want to use for each sample, and randomly pick a set number of participants to use in data

Materials needed:

Analysis

How will you analyze your data: Nominal data, chi squared test