Screen time (in babies 0-3)

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Proposal

1. What is the project about?

Electronic screens are readily available to young children. How does this screen time affect the development of young children in terms of meeting developmental milestones. The long-term impact of young children using these electronic screens should be studied. We propose surveying our fellow students who have very young children how much time they allow their children to use screens and look at if it is affecting them developmentally.

2. What is your approach? How do you plan to solve this problem computationally?
   A. We will conduct surveys with the parents of children of different ages to learn how screens are used.
   B. We will conduct surveys for these parents to learn how and if they are reaching expected developmental milestones.

3. What progress have you made up to this point? (research, computer based work)

4. What results are you expecting

5. What is the impact?

This research is important because these young children are our future adults and if they don't develop properly it can create a problems within their generation.

6. Provide at least 5 referenced sources and citations

Next Steps
   1. Look at list of items 1-6 above and fill in the missing information.
   2. Do Google search on screen time effects on infants-2 years. Look for research projects, articles, or even actual surveys that are similar to what you want to do and see how you can build on them/it even if your project seems the same!
      a. Create some survey questions for your schoolmates based on what you read about
   3. Learn about Google Surveys and try to construct a test survey.
   4. Learn how to access survey results
   5. Build real survey questions for the project
   6. Discuss how you might handle sample size - try to find others outside the school to survey?

7. Post links to anonymous surveys on Facebook and Instagram and ask friends and family to complete

Interim Report

- The definition of the problem.
- Your plan for solving the problem, computationally or by an app. (Explain how it would look and what it will do.)
- A description of the progress you have made up to this time.
- The results you expect to get.
- At least five citations of information you have referenced.

Description of Progress 12/02/24
Definition of the problem is above
Plan for solving is above
Progress: team needs to get the citations together
Results we expect to get: 60-100 responses from students and staff
  Add two questions to survey:
  1. To identify who has grown children already (I guess we have this from the age of child question)
  2. To identify what types of screens they had— like did they play at the same time the TV was on

1.Screen time for baby: the science behind the recommendations
https://www.kidecology.com/screen-time-for-baby.html

2. Screen Time at Age 1 Year and Communication and Problem-Solving Developmental Delay at 2 and 4 Years

https://jamanetwork.com/journals/jamapediatrics/fullarticle/2808593

3.Objectively measured infant and toddler screen time: Findings from a prospective study
https://pmc.ncbi.nlm.nih.gov/articles/PMC10122061/

4.Effects of Excessive Screen Time on Child Development: An Updated Review

and Strategies for Management
https://pmc.ncbi.nlm.nih.gov/articles/PMC10353947/

5. Babies need humans, not screens
https://www.unicef.org/parenting/child-development/babies-screen-time