Assignment 2.2

Bellevue University

DSC500: Introduction to Data Science

Felipe Rodriguez

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In today’s busy world, a common problem that new parents find is how to keep their young children occupied. For those who have kids, keeping the attention of child is easier said than done. A popular option among parents is to provide tablets for them to use. Because of this, children can enjoy a video or play games- simply just have fun on their device while their parents take care of other tasks. The worry from some parents may come later if they made the right decision. “Are tablets good for them? Will the kids be affects negatively by their tablets?” The most popular thought is that tablets do affective children negatively. An article on Medium says that children who use tablets may develop problems with their muscles needed for writing since these muscles aren’t being used when on a tablet. (Medium, 2017). Other common things that have been said about tablets and children are “tablets rot their brains” or “tablets damage their eyesight.” Based on these statements, data should show that tablets cause a negative effect on children. To dig deeper into these claims, data collection would be necessary. Some key things that the data would need to identify are the effects of tablets and Mental Development and if there are long term problems mentally with those who used tablets as children.

To further dig into some of these claims it is important to know how does tablet usage affect children mentally. Without this knowledge, it’ll be hard to analyze the claim. An area that can be explored is comparing the skills of children who use tablets versus those who don’t. This type of experiment will give us insight into the effects of tablets mentally. This type of experiment will take some time. Children will need to be identified who use tablets versus those who don’t. There can also be categories for children who use never use tablets, one to two hours per week, or more than five hours per. This information will have to come from parents. Children should be compared among similar age groups to have better results.

Tablets are still a newer piece of technology that have become more popular over the last 10 years. To investigate the long-term effects of tablets and children there will be a need to analyze those who are older now. An experiment that can be conducted, can be the comparison of middle-school aged children and those that are in high school, who grew up with or without tablets and see the key differences. Academic records can be obtained for these identified children for a general comparison.

After initial data is collected, analyzed and modeled, a decision can be made to whether or not there is enough information to generate a conclusion. If more data is needed, additional experiments can be conducted. The analysis of the data generated from these experiments can give insight into the belief that tablets affect children negatively. This information can then inform parents on what can be the outcomes if they allow their children to use tablets.

**Reference**

Medium. (2017, July 3). *Do tablets cause physical or developmental damage to toddler's social, Motor Skills and eyes?* Medium. Retrieved September 8, 2022, from https://medium.com/@Play2Health/do-tablets-cause-physical-or-developmental-damage-to-toddlers-social-motor-skills-and-eyes-2f765ecc7d28