

Milestone Paper- A research

[Name of the Writer]

[Name of the Institution]

Milestone four

Introduction

The research aims to discover the academic benefits of children attending preschool. In this paper, we will be reviewing the literature to explore all the factors that might affect the academic performance of the children who attend preschool. The research question is whether or not, students who get a head start in academics by attending preschool, perform better in later academic life. The key variables are children attending preschool and their performance in school in the future. The key independent variables are children attending preschool. We can operationalize it by counting which students do or do not attend preschool. The dependent variables are children's school performance in the future. We can operationalize this in the future by looking at high school test scores (higher scores are better), high school GPAs (higher GPAs are better), higher scores on standardized tests, and college acceptance (based on the percentage of people who applied). The ethical issues might arise in assessing students as children. We must assess whether any socioeconomic issues prevent some children from joining preschool. There is also the ethical consideration of whether the parents would want the children to be judged. The key terms I used to get me started on my literature review are benefits of preschool, disadvantages of preschool, head start program, academic success, early education, preschool teacher qualifications, school readiness, ethical issues of early education, no child left behind, public vs charter schools, and state-funded preschool programs.

Method

Participants

The participants for this research will be the graduate students of Southern New Hampshire from PSY 510 and PSY 520. I will include both male and female participants who will have different ages of 20 yrs. to 35 yrs. The number of participants will be limited to 7 to 10.

Materials

The material to be used for the research will be online survey programs known as Qualtrics. The online survey program is usually used by Southern New Hampshire University to accomplish different research purposes. Students will be asked to make use of a computer or mobile phone so that they can complete the survey (Winter et al., 2019). Qualtrics is one of the best choices because it not only facilitates building the surveys but it also helps to distribute the survey and analyze different responses by using one convenient location. Then, there is no specialty required to work with this survey, as it is simple to use and readily available. From the research perspective, using this tool can avoid the hustle of reaching out to students and distributing those surveys, and then collecting them back for synthesis and evaluation of data (Winter et al., 2019).

Procedure

The participants will be asked to read the aim and objective of the research that will be given in the form of an introduction section. After that, participants will be asked to fill in the informed consent form. After completing the consent form, students will be asked to fill in the survey that will comprise different questions. These questions will be 10 in number and the context of questions will be results of high school, i.e. GPA, overall marks, and the Grades. There will be some questions about the socio-economic background of the students as well because the research also aims to know if there are any socio-economic indicators that are

involved in the choice of pre-school education or not. All these will be provided in the same link that will be provided to the students for completing the survey forms. After that, the data of the survey will be imported into the Qualtrics survey system so that it can be evaluated (Winter et al., 2019).

Ethical concerns

There can be multiple ethical concerns in this research taking into account that students might not feel okay to share the detail of their socio-economic backgrounds or the type of life that has impacted their choices of educations. In order to avoid any kind of such bias, debriefing and informed consent will occur for each of the participants. Here, privacy is one of the most concern because while asking the question related to socio-economic concerns, the student might not feel safe (Hammack-Aviran et al., 2020). Also, as there is a very small student pool, it is feared that student might not share their true background or they might completely deny answering these questions because most of the students in the university know each other particularly those who have the same course and in the present day society, passive judgment is one of the grave concern. This issue is of significance because it can affect the results as well as it can create an obstacle in proceeding with the research. One of the ethical concerns will be the will of the parents, it is not sure if the parents will allow their children to be tested for the research or not, if the parents will not allow, the child can omit the participation in the research (Hammack-Aviran et al., 2020).

Data Analysis

In order to prepare a raw data set, the data set can be downloaded that covers anything from the questions of consent and the debriefing to the survey questions. It also comprises

additional data such as dates and durations along with the embedded data (Winter et al., 2019). The information will appear in the form of columns, where the first columns will be information about respondents such as name, IP address, etc. and the next columns will have response along with the questions. This set of data will be a good example of raw data that can be used for profiling (Winter et al., 2019).

In order to analyze the data, the data section will be used, which has the columns and actions such as data classification, merging, filtering, importing, and then data clearing activities. Using this section, data can be sorted as either completed or incomplete response. The data analysis will be navigated page by page in the form of different responses. If there will be any foul language or essential edits then the edit button will be used. (Winter et al., 2019). In addition, in case of having multiple responses from a single person that one response will be kept and others will be deleted (Winter et al., 2019). The tools dropdown menu will be used for saving the layout columns or translating the responses. If there will any incomplete response, then a survey re-take will be issued. Once data collection is completed, the data will be coded as required and then SPSS software will be used to analyze the results. The dependent samples t-tests will be run to analyze the data that is collected in the form of survey answers (Winter et al., 2019).

The descriptive statistics will be reported in the form of averages and standard deviation. The data will also be presented in the form of graphs to facilitate understanding and come up with different versions of responses that can emphasize results. In order to identify the outliers in the sample, range and average values will be used, however, the P-values and standard deviation will be reported and recorded as Pearson's R. in order to define the impact of socioeconomic factors along with the impact of pre-schools studies (Winter et al., 2019).

Principle and standards

The American Psychological Association (APA) has published the Ethical Principles of Psychologist and the Code of Conduct that outlines laws and principles as well as enforceable standards that should be used while making decisions. I will come to know that my proposed data analysis method is in accordance with the principles of APA if I will make sure that the principle of beneficence and non-maleficence is followed, which means striving to eliminate affiliations, prejudices, and other biases (Brittain et al., 2020). Fidelity and responsibility need to be incorporated such as ensuring moral responsibility or ensuring that there is no misconduct such as tampering of the responses. Also, the integrity of the participants needs to be enacted, no matter they are willing to take the research or not. Justice should serve as a code of conduct ensuring equal treatment. Adhering to these basic and other principles can ensure that the research is conducted as per the guidelines of APA ethical standards (Chesser et al., 2020).

Result

The anticipated results of the research are significant taking into account that the results infer that the students who attend pre-schools are more likely to perform better in their academic career as compared to the students who don't attend preschool (Kitchens et al., 2020). In addition, the results also indicate that socioeconomic factors impact the choice of pre-schooling because the parents with better socio-economic status are more likely to make choices for schools for pre-education as compared to other people (Peng, 2014). The results will be presented in the form of a factual opinion rather than in the form of statements of cause. In addition, all the results will be interpreted to ensure that there are no underlying ethical issues and all the steps are completed in accordance with the ethical guidelines that are provided by APA (Peng, 2014).

References

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