

COMPARING HOME SCHOOLING AND PRIVATE SCHOOLING: LEARNING TECHNIQUES AND OUTCOMES

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Abstract

The purpose of this research is to examine the similarities and differences between homeschooling and traditional private schools. The study reviews the literature on the learning techniques used in both methods to develop an overview. The research then selects 75 participants for survey analysis and performs statistical analysis using SPSS. The findings suggest that there is no significant correlation between education giving style and learning outcomes, indicating that different teaching methods do not necessarily result in different learning outcomes. The discussion of the study highlights the differentiation between the two schooling methods, which is primarily due to the different learning techniques used in each method. While homeschooling primarily focuses on individualized learning and flexible scheduling, private schooling generally follows a more structured and standardized approach. Finally, the study concludes that both similarities and differences exist between the two methods. For example, both methods provide an opportunity for personalized attention to the student's needs, but private schools may offer a more diverse range of extracurricular activities. This research aids educators, parents, and legislators in making educated choices regarding the education of children, and adds to the current discussion concerning the efficacy of homeschooling and private schools.

Keywords- Homeschooling, project management, private schooling, education system

Introduction

Different techniques are followed in order to give education to the students. Among the several techniques, the two most common and popular techniques are homeschooling techniques and the private schooling method. Between these two methods both similarities, as well as differences, are present.

In this research project, a differentiation has been developed linking homeschooling and private schooling methods. Two totally different methods are used in those learning systems. Therefore the learning outcomes obtained from the students who are teaching under these two methods are also different as well (Cheng & Hamlin, 2021).

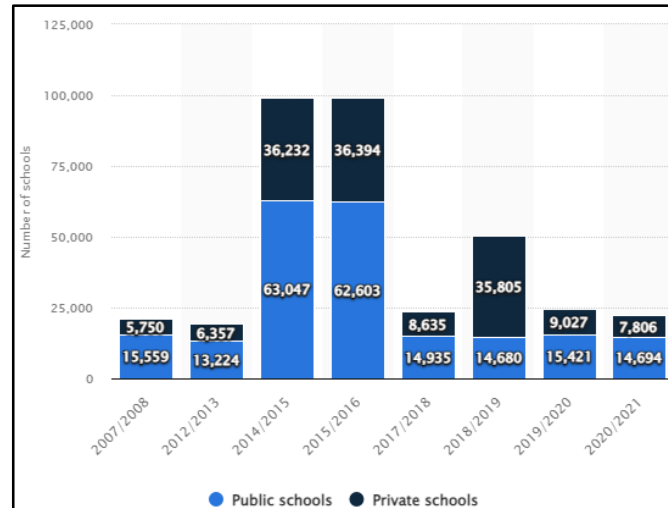


Figure 1: Comparison between homeschooling and private schooling method

(Source: Statista, 2023)

According to this graphical presentation in the year 2019 approximately 35000 students taken admitted to private schools which are higher compared to homeschooling (Statista, 2023). On the hand, the whole scenario has changed 14000 students are taking admission to homeschool which is higher than the private schooling techniques (Statista, 2023).

In terms of homeschooling parenting is a tough job and along with that a full-time responsibility as well (Marks & Welsch, 2019). This is because the only learning source for the children is the education provided by their parents. Therefore full-time parenting is the main problem developed in the case of homeschooling education.

The significance of the study is based on the differentiation that is observed among two different education systems that is homeschooling and private education giving systems. With the help of the differentiation the benefits and the limitations of two different education systems are highlighted (Wearne & Thompson, 2022).

Aim

The aim is to highlight the comparison between homeschooling and private education.

Research objectives

- To find out the benefits of homeschooling teaching concept
- To detect the basic advantages related to the education system provided in private schools
- To estimate the similarities between two different education systems that are provided in private schools and homeschooling
- To discuss the dissimilar factors among the learning process followed in homeschooling procedure and private schools

Research questions

- What are the benefits of homeschooling teaching concept?
- What are the basic advantages related to the education system provided in private schools?
- What are the similarities between two different education systems that are provided in private schools and homeschooling?
- What are the dissimilar factors among the learning process followed in homeschooling procedure and private schools?

Literature review

Basic concepts of homeschooling

Homeschooling is a traditional method of giving education to children in their own homes (Hamlin, 2020). Therefore the parents of the children are playing the main role in giving all kinds of basic education to their children. On the other hand, the high cost of tuition fees are refer to the problem

experienced by the parents while following private schools (Hamlin, 2020). An extremely high charge has to be paid by the parents in order to give tuition to their children in private schools.



Figure 2: Homeschooling learning method

(Source: Marks & Welsch, 2019)

In the homeschooling method, the interest of the children is prioritized and the learning approaches provided to them is also based on the children’s interest (McDonald, 2019). The clearing curriculums set by the parents are more interesting and comfortable as well so that the students would not get any extra mental pressure while following the learning curriculum. The main goal of the homeschooling education system is to give basic knowledge of education to children (Cheng & Donnelly, 2019).

An overview of private school techniques

The education system followed in the private schools is not supported by the government. Therefore private schools do not get any kind of financial heal from the government bodies as well and as a result of this, they have to charge a huge quantity of money from the parents for giving education to the student (Cheng & Hamlin, 2021).

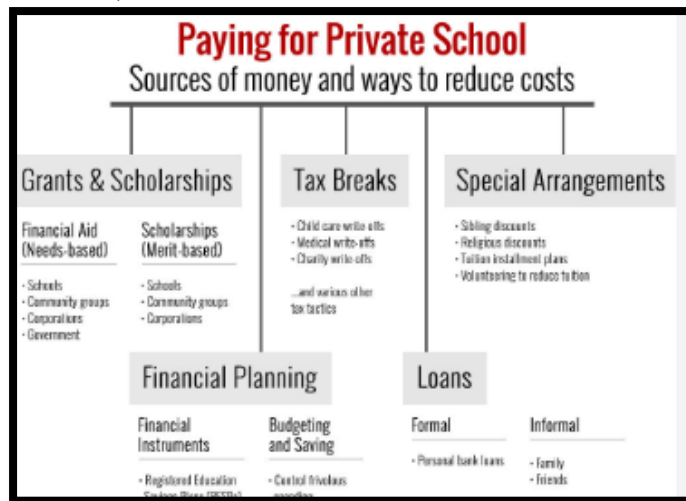


Figure 3: Learning approaches of private schools

(Source: Lewis-Spector, 2022)

The education provided in the private skills is always maintained there up to the mark quality (Duvall, 2021). Apart from giving basic education the private scrolls also focused on engaging the students in different kinds of extra curriculum activities. Engagement in several types of extra curriculum activities helps them to enhance their learning capability and concentration level (Wearne, 2019).

Differences between private school techniques and homeschooling

There are lots of dissimilarities present between these two different schooling systems and due to following different learning systems, these dissimilarities are developed. The process followed in order to education to the children in homeschooling is more comfortable than that of private schools (Landerfelt-Ozbolt, 2019).

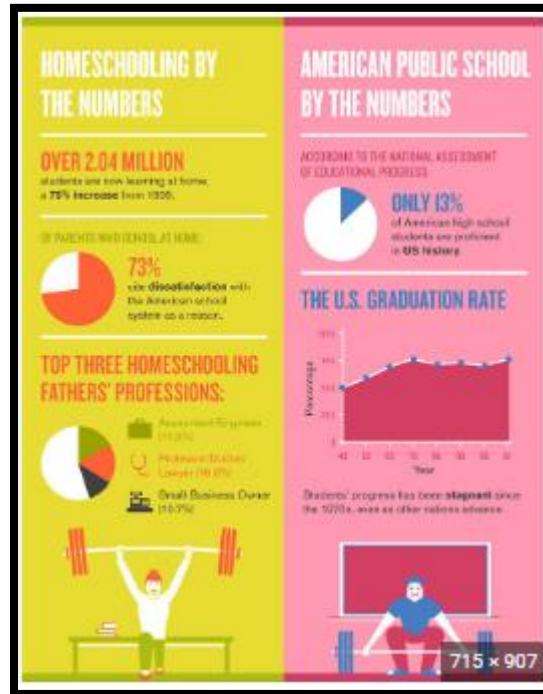


Figure 4: Dissimilarities linking with private school techniques and homeschooling learning approaches

(Source: Ray & Shakeel, 2022)

In homeschooling, the students can only learn the basic knowledge about the education system whereas, in terms of private schools, the students get a chance to learn advanced learning (Carlson, 2020). The quality of education is better in the case of homeschooling as compared to private schools (Mohanty et al. 2020). This is because in homeschooling the parents of the students are playing the role of a teacher.

Literature gap

Apart from homeschooling learning procedures and private schools, there are different learning techniques are also present which are not included in this study. Along with this, the other factors that also influenced the process of giving education to children are not described in this work. Therefore these are described as the literature gap of this work.

Theoretical framework

Behaviorism learning theory

Behavioral learning theory mainly focuses on the improvement of the psychological condition among children (DeAngelis & Dills, 2019). This theory mainly shows concerns about the responsive behaviors students give after understanding any learning curriculum.

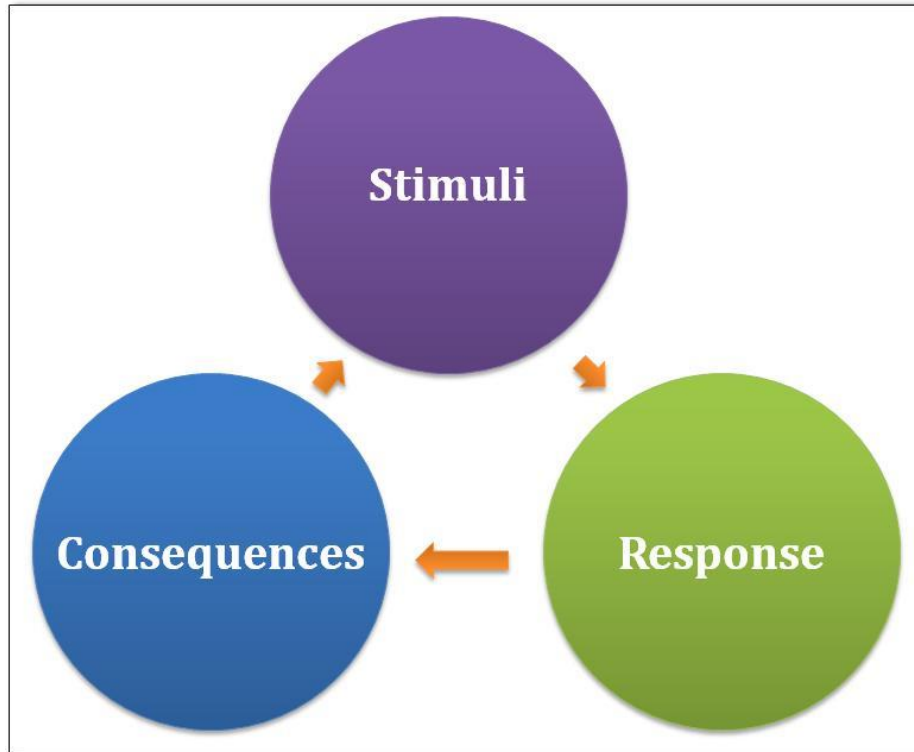


Figure 5: Behaviorism learning theory

(Source: Influenced by Palma, 2021)

With the help of this theory, the education system can modify the process that is used in order to interact with the students while giving education to them. Along with that Behaviorism learning theory also focuses on the environment in which the learning process is performed (Tribby et al. 2020). Without developing a proper environment the education system cannot be able to improve the behavior of the students.

Methodology

The method of primary quantitative is followed for gathering statistical data and information. A total number of **75 people** took part in the survey and after assembling all the statistical data, these statistical data are further undergone the analysis process with the help of the SPSS (Patel et al. 2022). The reason behind selecting this method is to be less expensive and less time taking than other methods (Schepis, McCabe & Ford, 2020).

Findings

1. Demographic data

1.1 Gender

Table 1 shows gender specific data with cumulative percent (Source: SPSS).

		Rate of freq.	%	Valid %	Cumulative %
Valid	Female	30	40.0	40.0	40.0
	Male	30	40.0	40.0	80.0
	Prefer not to say	15	20.0	20.0	100.0
	Total	75	100.0	100.0	

The lowest numbers of responses are collected for the group that does not want to give information about their gender.

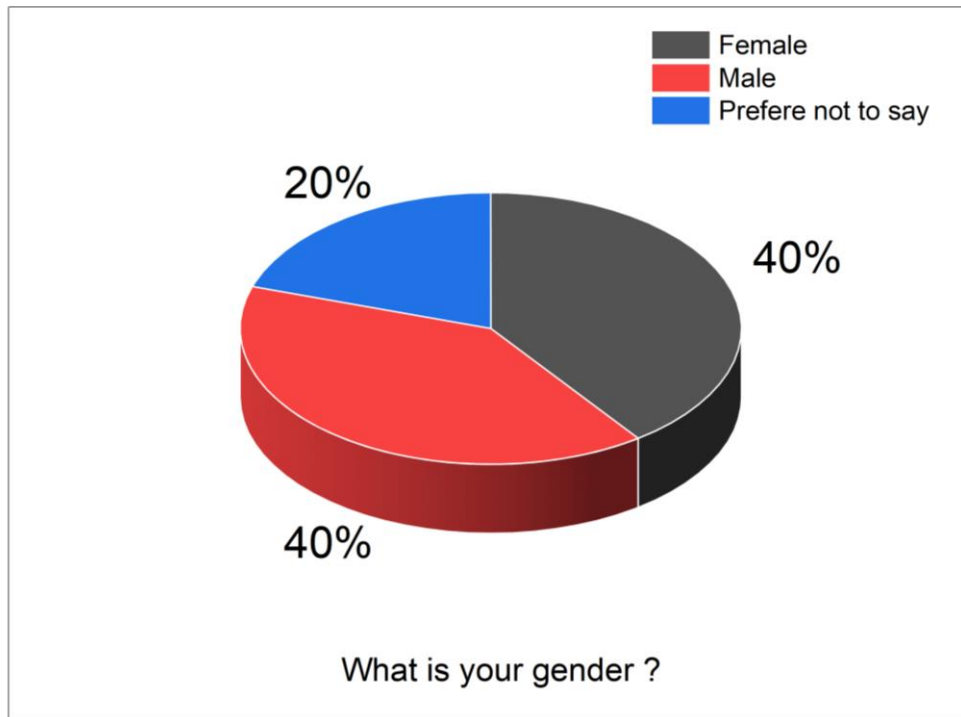


Figure 4.1: 3D graph for Gender specific data (Source: SPSS)

40% is the highest amount of survey responses collected for both male and female gender group.

1.2 Age group

Table 2 shows Age group based data with valid percent and cumulative percent (Source: SPSS)

		Rate of freq.	%	Valid %	Cumulative %
Valid	Between 20 to 25 years	30	40.0	40.0	40.0
	Between 26 to 35 years	15	20.0	20.0	60.0
	Between 36 to 45 years	30	40.0	40.0	100.0
	Total	75	100.0	100.0	

The lowest numbers of responses are collected for the age group that belongs to 26 to 35 years old.

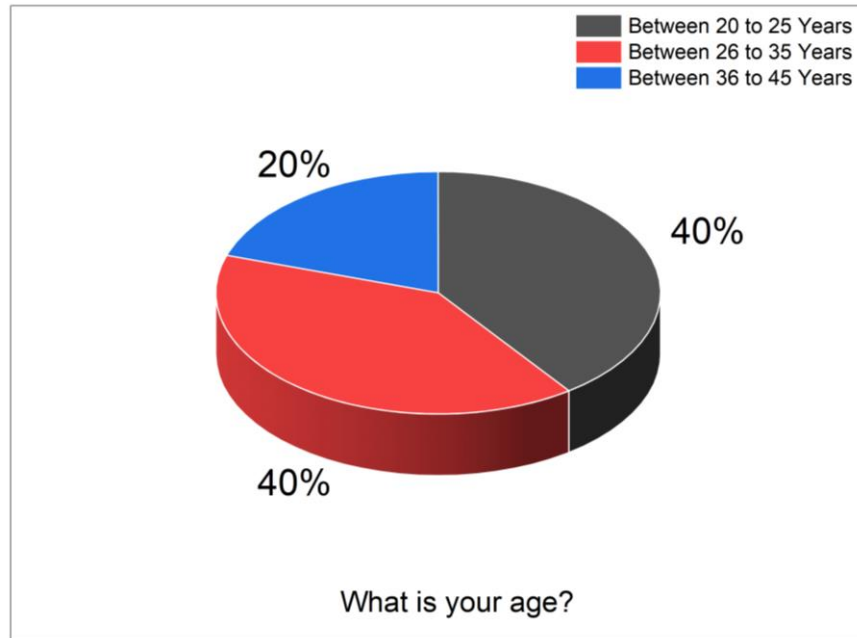


Figure 4.2: Age group

(Source: SPSS)

40% is the highest survey responses collected for 20 to 25 years old age group.

1.3 Income level

Table 3. shows Income level data with valid and cumulative percent (Source: SPSS)

		Rate of freq.	%	Valid %	Cumulative %
Valid	Below Rs. 25k	15	20.0	20.0	20.0
	Between Rs. 25k to Rs. 35k	30	40.0	40.0	60.0
	Between Rs. 36k to Rs. 45k	15	20.0	20.0	80.0
	Between Rs. 46k to Rs. 60k	15	20.0	20.0	100.0
	Total	75	100.0	100.0	

The lowest numbers of responses are collected for the group whose income range in below Rs. 25000.

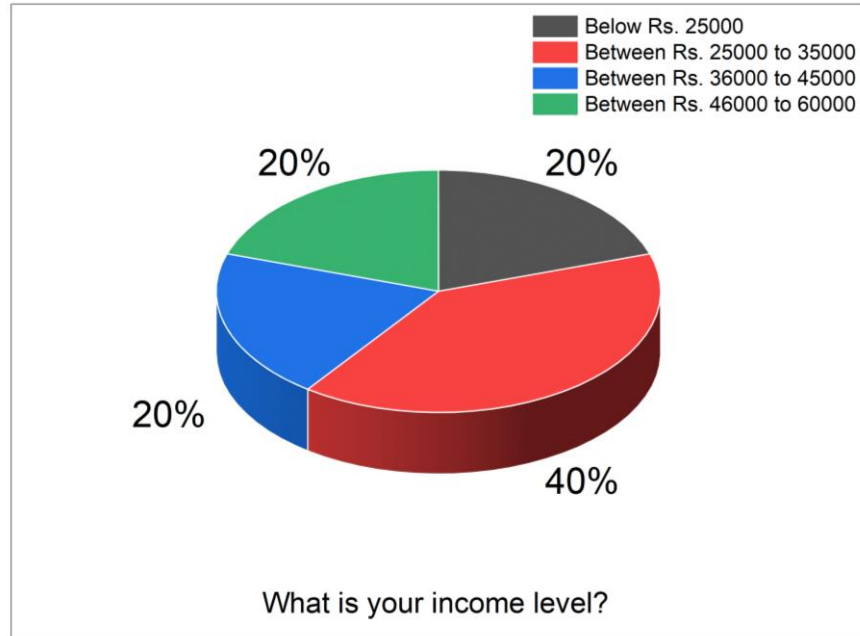


Figure 3: Income level (Source: SPSS)

40% is the highest responses collected for 25000 to 35000 income range.

2. Descriptive data analysis

Table 4 shows Descriptive data analysis (Source: SPSS).

	N	smallest amount	utmost	Mean	Std. Deviation	Skewness		Kurtosis	
	Statistic						Std. Error	Statistic	Std. Error
IV1	75	4.00	7.00	6.0000	1.10282	-.932	.277	-.451	.548
IV2	75	6.00	9.00	7.8000	1.17404	-.371	.277	-1.384	.548
IV3	75	3.00	8.00	4.8000	1.95213	.625	.277	-1.183	.548
IV4	75	2.00	5.00	3.6000	1.20808	.113	.277	-1.630	.548
DV	75	2.00	10.00	5.0000	2.77537	.877	.277	-.451	.548
Valid N (list wise)	75								

The obtained standard deviation is ranging from 1.10 to 2.77

3. Hypothesis 1: Link between Homeschooling techniques and learning outcomes

Table 5 shows Model Summary with change in statistics (Source: SPSS)

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Change Statistics					Durbin-Watson
					R Square Change	F Change	df1	df2	Sig. F Change	
1	.199 a	.039	.026	2.73861	.039	3.000	1	73	.087	2.756

Table 6 shows ANOVA analysis of model (Source:SPSS)

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	22.500	1	22.500	3.000	.087 ^b
	Residual	547.500	73	7.500		
	Total	570.000	74			

Table 7 shows ANOVA analysis of coefficients (Source:SPSS)

Model		Un-standardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	8.000	1.761		4.544	.000
	IV1	-.500	.289	-.199	-1.732	.087

The sig value is 0.000 therefore a strong link has been noticed.

4. Hypothesis 2: Relationship between Private schooling method and learning outcomes

Table 8 shows Model Summary with change in statistics (Source:SPSS)

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	Change Statistics					Durbin-Watson
					R Square Change	F Change	df 1	df 2	Sig. F Change	
1	.124 ^a	.015	.002	2.77261	.015	1.148	1	73	.288	2.445

Table 9 shows ANOVA analysis of sum of squares, df, mean square etc. (Source:SPSS)

Model	Sum of Squares	df	Mean Square	F	Sig.
Regression	8.824	1	8.824	1.148	.288 ^b
Residual	561.176	73	7.687		
Total	570.000	74			

Table 10 shows coefficients (Source:SPSS)

Model		Un-standardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	2.706	2.165		1.250	.215
	IV2	.294	.275	.124	1.071	.288

The sig value is 0.215 therefore no relationship has been present.

5. Hypothesis 3: Association between educating giving style and learning outcomes

Table 11 shows model summary and change in statistics (Source: SPSS)

Model	R	R Square	Adjusted R Square	Std. Error	Change Statistics					Durbin-Watson
					R Square Change	F Change	df 1	df 2	Sig. F Change	

	R	Adjusted R Square	Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared	Power	Collinearity Statistics	Tolerance	VIF	Condition Index	Condition Number
1	.561 ^a	.315	.306	2.31280	.315	33.562	.000	.315	.73	1	73	.000	2.429	

Table 12 shows ANOVA analysis with sum of squares, df, mean square etc. (Source: SPSS)

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	179.521	1	179.521	33.562	.000 ^b
	Residual	390.479	73	5.349		
	Total	570.000	74			

Table 13 shows coefficients of the model (Source: SPSS)

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	8.830	.713		12.384	.000
	IV3	-.798	.138	-.561	-5.793	.000

The sig value is 0.000 therefore a strong association has been observed.

6. Hypothesis 4: Interrelation between Motivation to learners and Learning outcomes

Table 14 shows Model Summary (Source: SPSS)

Model	R	Adjusted R Square	Sum of Squares	df	Mean Square	Change Statistics				Durbin-Watson
						R Square	F	df	Sig. F	
1	.302 ^a	.091	.079	2.66360	.091	7.341	1	73	.008	2.132

Table 15 shows Sum of squares, df, mean square, and other ANOVA statistics(From the SPSS)

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	52.083	1	52.083	7.341	.008 ^b
	Residual	517.917	73	7.095		
	Total	570.000	74			

Table 16 shows coefficients of the model (Source: SPSS)

Model		Un-standardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	7.500	.973		7.711	.000

IV4	-.694	.256	-.302	-2.709	.008
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The sig value is 0.000 therefore a strong interrelation has been developed.

Discussion

The depiction of the whole job that is carried out in this work is presented in a condensed form within the discussion portions of this work. In light of the findings of this research, it has become clear that two distinct approaches to teaching the pupils are being used. In conjunction with this, the home-schooling methodology often adheres to the conventional approach to the delivery of education (Musaddiq et al. 2022). In addition, it has been observed that the process of studying private scrolls has been conducted using a method that is based on contemporary technological practises. Because of this, the quality of education provided by private schools is lower than that provided by homeschooling (Hamlin & Peterson, 2022).

Conclusion

It is possible to draw the following conclusion as a result of the fact that distinct aspects of the education delivery system that are often followed in different schooling methods such as homeschooling and private schools are explained here. In addition to these advantages, the disadvantages and restrictions of the two distinct types of educational approaches have also been outlined. To gather all of the required information for this study, the researcher will conduct a survey with a total of 75 participants. Those collected data are analysed once again, this time using the SPSS software, so that the results may be comprehended.

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Appendices

Appendix 1:

- Question 1:** What is your gender?
- Question 2:** What is your age?
- Question 3:** What is your income level?
- Question 4:** Traditional method is followed in homeschooling
- Question 5:** The modern technology based learning curriculum are observed in private schools
- Question 6:** The student learning outcomes is depend on the environment of the education system
- Question 7:** The students have to follow all the learning approaches planned by the educations foundations
- Question 8:** The education institute has to adopt innovative method in order to enhance engagement level among the students
- Question 9:** Parents are main pillar of homeschooling learning method
- Question 10:** Quality of education giving process is maintained in privet schools
- Question 11:** Comfortable environment is provided in homeschooling education process
- Question 12:** The students get a chance to participate in different extra curriculum actives in private schools
- Question 13:** Private schools are focusing on technology based education process