

Team 2

SAS 16 Performance Task 5

SECTION/BLOCK: BLK 2 TEAM NAME: DATABIZ

22



M	Santillan, Trixie Julia A. <i>Signature:</i>	6	M	Meneses, Gisella N. <i>Signature:</i>	5
M	Aliman, Jachin Adam E. <i>Signature:</i>	1	M	Losendo, Kenn Andrei L. <i>Signature:</i>	4
M	Bacalio, Mc Andriex R. <i>Signature:</i>	1	M	Soriano, Renz Dexther Q. <i>Signature:</i>	2
M	Cruz, Mark Angelo M. <i>Signature:</i>	1			

Signature - have members affix their signatures below their names AFTER stars have been allocated to the team members

M - Replace with GCR Profile Picture of Member

★ - Place numbers beside the names of your team's previous presenter/speaker

😊 - Place beside the name of the current presenter (Do not write on the blue square yet)

Instructions:

✓ Fill out the items below. Write your answers in complete sentences in your own words in relation to your teams' research question that pertains to the problem you aim to investigate. Do not paste the charts or graphs or other images in the rubrics below except for the QR code for survey).

1. What's your team's research question or problem that you want to investigate?

- Our team aims to investigate the academic challenges students face and their level of preparedness during typhoons.

★★★

2. What is your plan for collecting data, including the type of data, participants, and methods?

- We plan to collect quantitative data through an online survey via Google Forms. The survey contains five Likert-scale questions, which allow students to express their level of agreement. Our target participants are the students from ITE 307 BLK 2.

★★★

3. Paste the QR Code of your survey form below. When you submit this rubric in class, attach a copy of your GForm questions for class submission.

none attached

★ ★

4. How will you summarize the data that you've collected?

- We summarized the data by calculating the total responses per answer option and converting these into percentages using the formula: $(\text{Number of responses per category} \div \text{Total responses}) \times 100$. We then interpreted each item by identifying which responses had the highest percentages and what they suggested about students' experiences.

★ ★

5. What visual representations of data will you use? Attach copies of charts in this rubric when you print it out and submit to class.

chart should be
attached

attached

SAS 8 Performance Task 2**SECTION/BLOCK: BLK 2 TEAM NAME: DATABIZ**

	Santillan, Trixie Julia A. <i>Sixty</i>	8		Meneses, Gisella N. <i>At.</i>	5
	Aliman, Jachin Adam E. <i>Aliman</i>	1		Losendo, Kenn Andrei L. <i>Hugh</i>	6
	Bacalio, Mc Andriex R. <i>De</i>	1		Soriano, Renz Dexther Q. <i>Six</i>	3
	Cruz, Mark Angelo M. <i>Alex</i>	1			

- Replace with GCR Profile Picture of Member 😊 - Place beside the name of presenter (Do not write on the blue square yet)

Instructions:

- Fill out numbers 1-8. Write your answers in complete sentences in your own words in relation to your teams' research question that pertains to the problem you aim to investigate. Do not paste the charts or graphs or other images in the rubrics below except for the QR code for survey).

1. Research Question:

Is there a relationship between the nightly sleep duration and academic performance of ITE 307 Block 2 students?

**2. Sampling Plan (method, sample size, inclusion and exclusion criteria if any)**

The study used convenience sampling to collect data from students in ITE 307 Block 2 who were available and willing to participate. A total of 30 students completed the survey. The inclusion criteria included students enrolled in Block 2 who voluntarily answered the survey, while the exclusion criteria consisted of students who were not enrolled in the course or chose not to participate. This method allowed the researchers to efficiently gather relevant data from the target population.

**3. Specify the population:**

The population of this study consists of all students enrolled in ITE 307 Block 2, which totals 52 students. The survey responses were collected from 30 students, representing approximately 57.7% of the population. These respondents reflect a variety of study habits, sleep schedules, and academic performance levels, providing a representative sample for analyzing the trends relevant to the research question.

**4. Data Collection (Google Form):**

<https://forms.gle/78XrhVHUoJHQisrFA>

**5. Statistical Techniques & Tools (e.g. mean, median, frequency distribution, etc.):**

The survey data will be analyzed using frequency distribution to count the number of students in each category of sleep duration and academic performance.



Cross-tabulation will also be used to compare sleep duration with academic performance, highlighting trends and relationships.

SAS 11 Performance Task 3

SECTION/BLOCK: IIP-DSINFO-02 TEAM NAME: DataBiz : Group 2



	Santillan, Trixie Julia A. absent	4		Meneses, Gisella N.	3
	Aliman, Jachin Adam E.	4		Losendo, Kenn Andrei L.	4
	Bacalio, Mc Andriex R.	2		Soriano, Renz Dexter Q. uniform	4
	Cruz, Mark Angelo M.	1			

(M) - Replace with GCR Profile Picture of Member 1, 2 - Place numbers beside the names of previous presenters



(S) - Place beside the name of the current presenter (Do not write on the blue square yet)

Signature - have members affix their signatures below their names after stars have been allocated to the team members

Instructions:

- Fill out numbers 1-8. Write your answers in complete sentences in your own words in relation to your teams' research question that pertains to the problem you aim to investigate. Do not paste the charts or graphs or other images in the rubrics below except for the QR code for survey).

1. Research Question:

Is there a relationship between the frequency of students' social outings and the amount of money they spend on these activities?

**2. Plan for collecting data, including the type of data (eg. Survey, interviews, etc), participants, and methods (eg. Online, in-person)**

The study used **convenience sampling** to collect data from students in ITE 307 Block 2 who were available and willing to participate. A total of **30 students** completed the survey. The **inclusion criteria** included students enrolled in Block 2 who voluntarily answered the survey, while the **exclusion criteria** consisted of students who were not enrolled in the course or chose not to participate. This method allowed the researchers to efficiently gather relevant data from the target population.

**3. Data Collection (Google Form/In-person):**

Data for this study were collected via a **structured online questionnaire** administered through Google Forms. This approach allowed participants to conveniently provide their responses **remotely**, ensuring efficient data collection and enabling the researchers to gather a sufficient and diverse sample within the designated period.

**4. Summary of Data using statistical techniques & tools (e.g. mean, median, frequency distribution)**

This study will utilize frequency distribution to summarize and describe the data related to students' spending habits and social outing frequency. To explore the relationship between these two variables, Spearman's rank correlation coefficient will be employed, as it is suitable for measuring the strength and direction of association between ranked or ordinal data

**5. Test Statistic, level of significance, and sample size:**

QR

SAS 13 Performance Task 4

SECTION/BLOCK: BUSINFO-01 TEAM NAME: DataBiz

	Santillan, Trixie Julia A. 😊 Signature:	8		Cruz, Mark Angelo M. Signature:	1
	Losendo, Kenn L. 🌟 Signature:	2		Aliman, Jachin Adam Signature:	1
	Soriano, Renz Dexther Q. 🌟 Signature:	1		Bacalio, Mc Andriex R. Signature:	1
	Meneses, Gisella N. 🌟 Signature:	5			

M - Replace with GCR Profile Picture of Member 1 2 3 - Place numbers beside the names of previous presenters



😊 - Place beside the name of the current presenter (Do not write on the blue square yet)

Signature - have members affix their signatures below their names after stars have been allocated to the team members

Instructions:

- Fill out the items below. Write your answers in complete sentences in your own words in relation to your teams' research question that pertains to the problem you aim to investigate. Do not paste the charts or graphs or other images in the rubrics below except for the QR code for survey).

- What are the two variables represented by X and Y of your team's output?

- X (Independent Variable): Gadget Usage (hours)
- Y (Dependent Variable): Grades



- What is your research question based on the above two variables?

- Data was gathered from 20 classmates using Google Forms.



- What are the assumptions of your research based on normality, linearity, independence, and constant variance of errors?

- Normality: The data collected from the survey responses are assumed to be normally distributed.
- Linearity: The relationship between gadget usage and academic performance is assumed to be linear.
- Independence: Each student's response is independent of others.
- Constant Variance of Errors (Homoscedasticity): The variability of the academic performance does not depend on the level of gadget usage.



- How was data collected from your classmates? (Attach a copy of your survey form to this score sheet. Include a link and QR if done via Google Form)



SAS 16 Performance Task 5**SECTION/BLOCK: BUSINFO-01 TEAM NAME: DataBiz**

	Santillan, Trixie Julia A. 4 Signature:	6		Bacalio, Mc Andriex R. 3 Signature:	3
	Losendo, Kenn L. 2 Signature:	1		Aliman, Jachin Adam Signature:	1
	Soriano, Renz Dexter Q. 3 Signature:	1		Cruz, Mark Angelo M. Signature:	1
	Meneses, Gisella N. 1 Signature:	5		Macasieb, Justin Victor S. Signature:	1

(M) - Replace with GCR Profile Picture of Member **1, 2, 3, 4**. Place numbers beside the names of previous presenters

(C) - Place beside the name of the current presenter (Do not write on the blue square yet)

Signature - have members affix their signatures below their names after stars have been allocated to the team members

Instructions:

- Fill out the items below. Write your answers in complete sentences in your own words in relation to your teams' research question that pertains to the problem you aim to investigate. Do not paste the charts or graphs or other images in the rubrics below except for the QR code for survey).

What are the two variables represented by X_1 , X_2 , and Y of your team's output?

- X_1 = AI Tool Usage
- X_2 = Note-taking Method
- Y = Academic Performance (GPA)

**What is your research question based on the above two variables?**

- Is there a relationship between AI tool usage and note-taking methods on the academic performance of ITE 307-BLK2 students?

**What are the assumptions of your research based on normality, linearity, independence, and constant variance of errors?**

- We assume that the data collected from respondents follows a normal distribution, the relationship between AI tool usage and note-taking with GPA is linear, each response is independent of others, and the variance of errors across the data set remains constant. These assumptions are necessary for applying linear regression to our study.

**How was data collected from your classmates? (Attach a copy of your resulting table in this rating sheet in a separate sheet)**



	Santillan, Trixie Julia A. 4 Signature:	12		Losendo, Kenn L. 1 Signature:	4
	Aliman, Jachin Adam E.	6		Macasieb, Justin Victor Signature:	1
	Bacalio, Mc Andriex R. 5 Signature:	1		Meneses, Gisella N. 2 Signature:	2
	Cruz, Mark Angelo M. Signature:	1		Soriano, Renz Dexter Q. 3 Signature:	1

● - Replace with GCR Profile Picture of Member 1, 2, 3, 4, 5 - Place numbers beside the names of previous presenters

- Place beside the name of the current presenter (Do not write on the blue square yet)

Signature - have members affix their signatures below their names after stars have been allocated to the team members.

Instructions:

Fill out the items below. Write your answers in complete sentences in your own words in relation to your teams' research question that pertains to the problem you aim to investigate. Do not paste the charts or graphs or other images in the rubrics below except for the QR code for survey).

- What is your team's name, and what project is each member currently working on for your final collaborative project? (Write your team names and list each member with their assigned project or task.)

Team DataBiz

- Santillan, Trixie Julia A. Business Inventory and Sales Management System (Group 3)
- Aliman, Jachin Adam InternConnect (Group 1)
- Bacalio, Mc Andriex R. (Not enrolled in ITE 314)
- Cruz, Mark Angelo M. (Not enrolled in ITE 314)
- Losendo, Kenn L. Course-Connect (Group 2)
- Macasieb, Justin Victor (Not enrolled in ITE 314)
- Meneses, Gisella N. ServiFind (Group 6)
- Soriano, Renz Dexter Q. CommunityPulse (Group 5)



- What does each project aim to solve? (Explain what problem or need each project focuses on.)

- **QuotaLink:** A Business Inventory and Sales Management System - Help businesses manage and monitor sales, quotas, and inventory more efficiently through an integrated web-based system.
- **InternConnect** - Aims to serve as a bridge for students and career-building opportunities.
- **Course-Connect:** Help students learn, share and discuss ideas together through web development.
- **ServiFind:** Location-Based Online Service Booking Platform - Help to make it easier for people to find and hire reliable local service providers quickly and conveniently in one online platform.
- **CommunityPulse** - Aims to connect residents and barangay officials through a digital feedback system.





ITE 307 Quantitative Methods
SAS 23 Performance Task 7
SECTION/BLOCK: BLK 2 TEAM NAME: DATABIZ

	Santillan, Trixie Julia A. 4 <i>Signature: Cjng</i>	12		Losendo, Kenn L. 1 <i>Signature: JLL</i>	5
	Aliman, Jachin Adam E. 6 <i>Signature: Aliman</i>	1		Macasieb, Justin Victor <i>Signature: J</i>	1
	Bacalio, Mc Andriex R. 5 <i>Signature: DR</i>	1		Meneses, Gisella N. 2 <i>Signature: GJ</i>	1
	Cruz, Mark Angelo M. 5 <i>Signature: Cleary</i>	5		Soriano, Renz Dexter Q. 3 <i>Signature: Soriano</i>	1

1 - Replace with GCR Profile Picture of Member 1, 2, 3, 4, 5

2 - Place beside the name of the current presenters

Signature - have members affix their signatures below their names

Instructions:

- Fill out the items below. Write your answers in complete sentences and attach any documents that you've used to support your answers.
- income statement, balance sheet, cash flow statement, stock performance charts and analysis reports, and other related documents.
- presentation in separate sheets to this document.

1. What are the names of the companies your college is benchmarking your proposal? (Preference for local companies)

- QuotaLink | Imonggo – One of the first Filipino-developed online point-of-sale systems that allows businesses to manage sales, inventory, and customer data anywhere using a web browser.
- ServiFind | GoodWork.ph – Provides a mobile app for users to find and book reliable home and personal services.
- Course-Connect | Reddit Philippines - A global discussion platform with active local communities
- InternConnect | JobStreet – A leading online job portal in Southeast Asia, primarily focused on connecting job seekers with employers.
- CommunityPulse | FixMyBarangay – A Philippine-based app that lets residents report local issues like potholes or garbage directly to barangay officials. It promotes faster, more transparent responses.
- ArangKadaRent | JNP BIKESHOP - A web-based vehicle rental platform designed to provide customers with a fast and convenient way to rent vehicles online.
- DataBusters | Atlas - Our team has chosen Atlas Coffee House, located in Bolosan District, Dagupan City, as the subject for our benchmarking. We selected this establishment because it currently

ITE 307 - Blk 2

P3W16D1 : PT 7

September 16, 2025



SAS 23 Performance Task 8SECTION/BLOCK: **BLK 2 TEAM NAME: DATABIZ**

	Santillan, Trixie Julia A. 4 Signature:			Losendo, Kenn L. 1 Signature:	0
	Aliman, Jachio Adam E. 6 Signature:			Macasieb, Justin Victor 8 Signature:	8
	Bacalio, Mc Andriex R. 5 Signature:			Meneses, Gisella N. 2 Signature:	3
	Cruz, Mark Angelo M. 7 Signature:			Soriano, Renz Dexther Q. 3 Signature:	3

① - Replace with CCR Profile Picture of Member ①, ②, ③, ④, ⑤, ⑥, ⑦ - Place numbers beside the names of previous presenters

😊 - Place beside the name of the current presenter (Do not write on the blue square yet)

Signature - have members affix their signatures below their names after stars have been allocated to the team members

Instructions:

- Fill out the items below. Write your answers in complete sentences in your own and cite the documents that you've used to support your answers. Attach related documents to support your presentation in separate sheets to this document.

1. What are your proposed final collab projects about, and what problem do they aim to solve?

QuotaLink: A sales and inventory management system for small and medium businesses (SMEs). It aims to solve the problem of manual and error-prone tracking of sales, inventory, and customer data, helping businesses monitor performance and make data-driven decisions.

ServiFind: A platform designed to help users find, compare, and hire trusted local service providers such as plumbers, electricians, and cleaners. It addresses the problem of unreliable and hard-to-find service professionals by offering verified listings, customer reviews, and secure booking options.

InternConnect: Is designed to bridge the gap between students and employers. It helps students discover internships, part-time jobs, and training opportunities in their field or area, while allowing companies and organizations to efficiently reach and recruit suitable candidates.

CourseConnect: It is a web-based discussion board designed for classroom use. It solves the problem of those who struggle to understand their materials. Instructors can moderate conversations, pin important posts, and encourage participation. The platform also offers anonymous posting, allowing students to share thoughts freely and confidently.

CommunityPulse: It helps residents report community issues online to improve communication with barangay officials.

Atlas: Atlas is a smart coffee-ordering web application that lets customers pre-order, customize drinks, and pay online so they don't queue. It reduces customer waiting time, improves order accuracy for baristas, and gives café owners sales analytics and inventory insight to improve operations.

ArangKadaRent: Aims to eliminate the common problems people face when renting vehicles such as complicated booking processes, unclear pricing, and

