



Republic of the Philippines  
**Department of Education**  
 NATIONAL CAPITAL REGION

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 December 7, 2023

In compliance with DepEd Order (DO) No. 8, s. 2013  
 this Advisory is issued not for endorsement per DO 28, s. 2001.  
 but for the information of DepEd officials,  
 personnel/ staff as well as the concerned public.  
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**ESTADISTIKA 2024**

The UPLB Statistical Society (UPLB STATS) will hold the ESTADISTIKA 2024 on April 20, 2024 with the theme “Data-Powered Dreams: Fueling the Philippine Education System with Statistics” at University of the Philippines Los Banos.

In line with this, secondary schools are invited to participate in the Statistics Quiz, Essay Writing, and Poster Making contests. Registration period will run from February 20 to March 22, 2024. Please refer to attached communication for the mechanics.

For more information, contact:

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# ESTADISTIKA 2024

AN ANNUAL INVITATIONAL STATISTICS QUIZ, ESSAY WRITING, AND POSTER MAKING CONTESTS



UPLB STATISTICAL SOCIETY



3rd floor, Physical Sciences Building,  
University of the Philippines Los Baños



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04 December 2023

**DR. JOCELYN DR. ANDAYA**

Director IV  
Department of Education, NCR  
6 Misamis St., Bago Bantay, Quezon City, 1105

Dear Dr. Andaya:

Greetings of peace!

The UPLB Statistical Society (UPLB STATS) is a duly recognized academic organization at the University of the Philippines Los Baños. Since 1980, the organization has devoted itself to its goals of advancing and promoting the proper application of Statistics in all fields of learning endeavors. In recognition of its outstanding efforts and dedication to the conduct of various statistical advocacy activities for the youth, UPLB STATS was recently recognized in the 34th National Statistics Month Awards as the Best Youth Advocate for Statistics.

One of the many statistical advocacy activities conducted by UPLB STATS is **ESTADISTIKA**, an annual invitational statistics quiz, essay writing, and poster making contests participated by high school students. Despite the challenges posed by the pandemic during the last three years, ESTADISTIKA has thrived hosting a special online edition featuring essay writing and video-making contests for high school and college students nationwide. This year, ESTADISTIKA returns to a face-to-face format with the same aim of instilling the significance of statistics among high school students, introducing proper application of statistics in various disciplines, stimulating interest in statistics, and promoting intellectual growth among its participants.

In its 18th year, high schools from Region IV-A (CALABARZON) and the National Capital Region (NCR) are invited to participate in **ESTADISTIKA 2024**. With the theme, "*Data-Powered Dreams: Fueling the Philippine Education System with Statistics*," ESTADISTIKA 2024 will be held at the **University of the Philippines Los Baños** on **20 April 2024 (Saturday)** from 8:00 AM - 6:00 PM. The registration period will run from **20 February 2024** until **22 March 2024**.





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Over the past editions of ESTADISTIKA, UPLB STATS fully acknowledges the partnership that was built with the Department of Education in the endorsement of this activity. We extend our sincere appreciation for the invaluable assistance and support by DepEd, which has been instrumental in the success of ESTADISTIKA.

In this regard, we are humbly requesting for the endorsement of ESTADISTIKA 2024 to the academic institutions in NCR . Attached herewith is a copy of the mechanics of the Statistics Quiz, Essay Writing, and Poster Making contests. Should you have further inquiries, please do not hesitate to reach us through the contact information provided below or email us at [estadistikastats@gmail.com](mailto:estadistikastats@gmail.com).

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*Juan Carlos V. Cuaderno*                      +63930-752-7073

Your support to the success of this event is greatly appreciated. We hope to receive a favorable response from you soon. Thank you very much.

Respectfully yours,

**Aubrey Jane D. Ambrosio**  
Steering Committee Head

Recommending Approval:

**Asst. Prof. Edrun R. Gayosa**  
Junior Adviser

**Asst. Prof. John Lorenzo A. Yambot**  
Junior Adviser

**Assoc. Prof. Joyce DL. Grajo, PhD.**  
Senior Adviser



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## QUIZ CONTEST

### I. Qualifications and Requirements

All bonafide **Grade 7 to 12 students** enrolled during the current term may join this contest. The registration for the contest will be administered online using Google Forms. Upon registration, student participants will be required to submit a digital copy of their **student ID** or any **proof of enrollment** for the current term and the **signed agreement form**. Alongside, the coach and student participants are also required to submit a digital copy of their **ID picture with their name printed below**.

Each participating school can send **at most two (2) teams** and each participating team should be composed of **three (3) members**. A team may be composed of members who are of the same grade level or different grade levels.

All participating teams are required to pay a non-refundable **registration fee of 1,200 Pesos** on the actual date of the competition. The registration fee includes an event kit for the student participants.

### II. Confirmation of Participation

To confirm the school's participation in ESTADISTIKA 2024, the coach must accomplish the entry form and have them signed by the school principal or administrator. The entry forms shall also be submitted during the online registration. The UPLB Statistical Society will confirm receipt of entry forms via email.

### III. Coverage

All questions that will be asked during ESTADISTIKA 2024 Quiz Contest will be taken from Probability and Basic Statistics, applications of the said area, and statistics-related trivia questions based on the theme.

### IV. Rounds

#### A. Elimination Round

The **ELIMINATION ROUND** shall be held off-stage and shall take the form of a **written exam**. All questions for this round shall be of **multiple-choice type**. The elimination round shall last exactly for **one (1) hour**. **Each contestant** from all the participating teams **shall answer the exam individually**.



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Participating students are requested to bring their **own scientific calculator**. **Programmable calculators are not allowed. Only calculators found on this link will be allowed to be used by the contestants:** <http://bit.ly/2xqGSEM>. On the day of the contest, the contestants will be required to surrender and register their calculators which will be checked by the members of the Technicals Committee.

Answer sheets will be provided. Participants are not allowed to bring scratch papers. However, the exam questionnaire can be used as scratch paper.

**Any form of cheating is not allowed.** Team(s) with member(s) caught cheating shall automatically be disqualified.

**Contestants who arrive late** may still take the exam, but no time extension will be given.

## **Manner of Scoring and Correction**

Each question item shall merit **2 points**.

Each contestant shall have an individual score. The score of each team member will be added to get the overall team score.

The **fifteen (15) teams** in the ELIMINATION ROUND with the highest team score **shall qualify for the EXHIBITION ROUND**.

Qualifying teams shall be announced at the start of the EXHIBITION ROUND.

In case of a tie for the fifteenth (15th) place, all teams vying for that place will automatically qualify for the EXHIBITION ROUND.

In case of a tie for the top-scoring individual, a tiebreaker shall be held before the Exhibition Round. Coaches will be informed immediately and another written exam shall be done until the tie is broken.



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## B. Exhibition Round

The **EXHIBITION ROUND** shall be held off-stage and shall be a **quiz-bee type** of competition. Each team will start with **zero points**. Proctors will check the **scientific calculator** of each of the team members before the start of this round.

### General Mechanics

The competition will be divided into three (3) phases: **Easy, Average, and Difficult** Phases.

There will be **thirty-one (31)** questions in this round. The table below shows the **number of questions** per round.

Round	Operational	Trivia	Total
Easy	10	3	13
Average	7	3	10
Difficult	5	3	8
<b>Total</b>	22	9	31

A trivia question will be asked after the first question, **after the middle question (after the 5th question in the easy phase, after the 4th question in the average phase and after the 3rd question in the difficult phase) and after the last question** in the three phases. Only the team(s) who answer(s) **correctly** in the operational question before the exhibition trivia question can answer an exhibition trivia question.

Questions in any given phase may be of **objective or free-response type**.

The time allotted for each question will vary according to the difficulty of the question. For the easy round, the contestants will be given **ten (10) seconds** to answer each question. **Thirty (30) seconds** will be allotted for the average questions and **sixty (60) to ninety (90) seconds** will be allotted for the difficult questions.



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Each question shall be **read twice**. The timer will start after the second reading of the question. Teams are only allowed to start writing their answer or solution **after the first reading of the question**.

Each team **will have a designated proctor** responsible for distributing answer sheets and scratch papers, as well as collecting answer sheets after the time limit for each question.

**Answers in the computational form are not allowed** (e.g. 3! should be written as 6). Final answers in **fractional form** should be expressed in the **lowest term**.

**Intermediate values should not be rounded off**. Failure to do so will render a wrong answer.

The table below shows the **scoring system** for the three phases of the exhibition round.

EASY PHASE					
Operational Question (10 items)	Answer	Pts.	Exhibition Trivia Question (3 items)	Answer	Pts.
	Correct	5		Correct	5
	Wrong	-1		Wrong	-2
	No	0		No	-1

AVERAGE PHASE					
Operational Question (7 items)	Answer	Pts.	Exhibition Trivia Question (3 items)	Answer	Pts.
	Correct	7		Correct	5
	Wrong	-3		Wrong	-2
	No	-1		No	-1



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DIFFICULT PHASE					
Operational Question (5 items)	Answer	Pts.	Exhibition Trivia Question (3 items)	Answer	Pts.
	Correct	10		Correct	5
	Wrong	-5		Wrong	-2
	No	-3		No	-1

In between phases, there will be a **ten-minute lull to update** the scores. At the end of the round, the cumulative score of each team will be computed.

The **top four (4) teams** in the EXHIBITION ROUND based on their cumulative team scores during the Easy, Average, and Difficult Phases shall qualify for the FINAL ROUND. Qualifying teams shall be announced before the start of the Final Round.

In case of a tie for the Fourth (4th) place, a tiebreaker question will immediately ensue and will be “**sudden death**” in nature.

The first team to gain a positive advantage in scoring over the others will be declared the victor of the tie and will qualify for the Final Round.

### C. Final Round

The **FINAL ROUND** shall be held on-stage and shall be a **board work-problem-solving** type of competition.

Finalists will be assigned to write on a whiteboard before the live audience on-stage, which will act as their solving area.

All the qualifying teams are required to present their solutions completely, neatly, and orderly. Incomplete and wrong solutions will render a wrong answer. The members of the team are required to box their final answer.

All questions will immediately proceed and will be **sudden death/knock-out** in nature. A maximum of **30 to 90 seconds**, based on the given problem, will be given to the finalists to answer each problem.





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The teams will only be allowed to write on the board **after the first reading**. Failure to follow this will disqualify the team from answering the question. **The time allotted will start after the second reading.**

Once the timer stops, the contestants must stop writing and are required to show their final answer. Failure to do so will disqualify the answer of the finalist.

**Answers in the computational form are not allowed** (e.g.  $3!$  should be written as 6). Final answers in **fractional form** should be expressed in the **lowest term**.

**Intermediate values should not be rounded off.** Failure to do so will render a wrong answer.

### **Sudden death-knock-out general procedure:**

**Case 1:** All teams got the correct answer

- All teams shall proceed to the next question.

**Case 2:** Three teams got the correct answer

- All three teams shall proceed to the next question. The team who got a wrong answer will automatically be eliminated (apply general procedure).

**Case 3:** Two teams got the correct answer

- The two teams who got the correct answer shall proceed to the next question and shall compete for the first place. The losing team shall take the second place.
- On the other hand, the remaining two other teams will be given another question(s) to compete for the third place (apply general procedure).

**Case 4:** Only one team got the correct answer

- The team who got the correct answer will automatically be declared as the champion. The remaining three teams will compete for the 2<sup>nd</sup> and 3<sup>rd</sup> place (apply general procedure).



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**Case 5:** No team got the correct answer

- Another question will be given (apply general procedure).

The *lone* standing team who gave the last correct answer will be declared the **Grand Champion**. The second from the last team who answered correctly will be hailed as the **First Runner-up Winner** while the third from the last that had a positive advantage will be proclaimed as the **Second Runner-up Winner**.

### Protest Mechanics

- Only members of the team or their coach/adviser can raise a protest to be forwarded to the Board of Judges.
- During the protest, the participant has the privilege of consulting any reference, provided they are relevant to the subject of the protest.
- Protests regarding a particular question will be tackled only before the next question is read. No complaints on a previous question shall be entertained once the quizmaster starts reading the next question.
- The decision of the Board of Judges is final and irrevocable.

### V. Prizes

Grand Champion	10,000 Pesos + Ownership of the Perpetual Trophy for one year
1st Runner Up	7,000 Pesos
2nd Runner Up	5,000 Pesos
+ Certificates of Recognition and Medals	



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## ESSAY WRITING CONTEST

### I. Qualifications And Requirements

All bonafide **Grade 7 to 12 students** enrolled during the current term may join this contest. The registration for the contest will be administered online using Google Forms. Upon registration, student participants will be required to submit a digital copy of their **student ID** or any **proof of enrollment** for the current term and the **signed agreement form**. Alongside, the coach and student participants are also required to submit a digital copy their **ID picture with their name printed below**.

Each school may send **at most two (2) individual entries** in the contest. The participant should not be joining any other event in ESTADISTIKA 2024. A **non-refundable registration fee of 450 Pesos** shall be paid on the day of the contest. The registration fee includes an **event kit** for the student participants.

### II. Materials

**Writing materials will be provided on the contest proper.** Other unnecessary materials such as books, newspapers, journals, gadgets, and the like are not allowed during the contest. Failure to follow this will cause disqualification.

### III. General Guidelines

Originality of work must always be observed. **Plagiarism can be a subject of the contestant's disqualification.**

Biases and individual opinions are expected from the contestants. However, discretion will only be allowed as long as it is in the proper context.

The contestant's name must NOT be written anywhere on the paper. Numbers will be assigned to each contestant, which will be written in the **upper left-hand corner** of the paper.

Maintain a readable handwriting. Essays should be written on only one side of the paper. The contestants may use extra sheets if needed. The **maximum length** of each entry should be **500 words (excluding articles)**.



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Participants will be given **2 hours** to conceptualize and finish their essays.

**The topic, exclusively for the essay-writing contest, will be given during the contest proper.** However, the topic is expected to be related to the theme of ESTADISTIKA 2024.

#### IV. Criteria For Judging

Content	50%
Writing Fluency and Mechanics	30%
Organization	20%
TOTAL	100%

#### V. Prizes

1st Place	2,000 Pesos
2nd Place	1,500 Pesos
3rd Place	1,000 Pesos
+ Certificates of Recognition and Medals	



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## POSTER MAKING CONTEST

### I. Qualifications And Requirements

All bonafide **Grade 7 to 12 students** enrolled during the current term may join this contest. The registration for the contest will be administered online using Google Forms. Upon registration, student participants will be required to submit a digital copy of their **student ID** or any **proof of enrollment** for the current term and the **signed agreement form**. Alongside, the coach and student participants are also required to submit a digital copy their **ID picture with their name printed below**.

Each school may send **at most two (2) individual entries** in the contest. The participant should not be joining any other event in ESTADISTIKA 2024. A **non-refundable registration fee of 450 Pesos** shall be paid on the day of the contest. The registration fee includes an **event kit** for the student participants.

### II. Materials

Participating teams are required to bring **any variety of their desired medium of black, white, and three other choices of colors** to be used in this event.

UPLB Statistical Society shall provide the contestants with boards that will be used for their posters.

Other unnecessary materials such as books, newspapers, journals, gadgets, and the like are not allowed during the contest. Failure to follow this will cause disqualification.

### III. General Guidelines

Before the contest starts, participants will be asked to **surrender coloring materials other than black, white, and their three chosen colors**.

Participants will be given **two (2) hours** to conceptualize and finish their posters. After which the finished posters will be **displayed in an exhibit for evaluation**.

**The topic, exclusively for the poster-making contest, will be given during the contest proper.** However, the topic is expected to be related to the theme of ESTADISTIKA 2024.

All submitted entries will be considered property of UPLB STATS.



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## IV. Criteria For Judging

Relevance to Theme	25%
Creativity	30%
Visual Impact	20%
Neatness	10%
TOTAL	100%

## V. Prizes

1st Place	2,000 Pesos
2nd Place	1,500 Pesos
3rd Place	1,000 Pesos
+ Certificates of Recognition and Medals	