

# 2024-25 Competitive Events Guidelines

## Data Analysis



Data Analysis provides members with the opportunity to deep dive into a data set and provide analysis. This competitive event consists of a presentation component for the judges.

### Event Overview

**Division:** High School

**Event Type:** Team of 1, 2 or 3 members

**Event Category:** Presentation

**Event Elements:** Presentation with a Topic

**Presentation Time:** 3-minute set-up, 7-minute presentation time, 3-minute question & answer time

**NACE Connections:** Career & Self-Development, Communication, Critical Thinking, Leadership, Professionalism, Teamwork, Technology

### 2024-25 Topic

In 2023, major wildfires in Canada caused unprecedented air quality issues in the United States, especially in New York City. HealthyCleanAir4All, a fictitious nonprofit based in New York City, was founded to improve the air quality in the city. They have asked you, a data analyst, to analyze data regarding air quality, find trends, and make recommendations about improving the air quality in New York City. Using the provided data and your own research, identify trends and make recommendations based on the data and external factors.

Datasets provided by Data.gov:

- Air Quality (<https://catalog.data.gov/dataset/air-quality>)

*Dataset contains information on New York City air quality surveillance data. Air pollution is one of the most important environmental threats to urban populations and while all people are exposed, pollutant emissions, levels of exposure, and population vulnerability vary across neighborhoods. Exposures to common air pollutants have been linked to respiratory and cardiovascular diseases, cancers, and premature deaths. These indicators provide a perspective across time and NYC geographies to better characterize air quality and health in NYC. Data can also be explored online at the Environment and Health Data Portal: <http://nyc.gov/health/environmentdata>.*

*Note: Some information provided may not necessarily be useful in your analysis; you do not need to use all the information provided.*

### Region

Each chapter may submit one (1) entry for this event to present at the Spring Regional Leadership Conference.

### State

Each region may submit one (1) entry for this event to present at the State Leadership Conference.

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### National

#### Required Competition Items

	Items Competitor Must Provide	Items FBLA Provides
<b>Presentation</b>	<ul style="list-style-type: none"><li>• Technology and presentation items</li><li>• Conference-provided nametag</li><li>• <a href="#">Photo identification</a></li><li>• Attire that meets the <a href="#">FBLA Dress Code</a></li></ul>	<ul style="list-style-type: none"><li>• Table</li><li>• Internet access</li></ul>

#### Important FBLA Documents

- Competitors should be familiar with the Competitive Events [Policy & Procedures Manual](#), [Honor Code](#), [Code of Conduct](#), and [Dress Code](#).

#### Eligibility

- FBLA membership dues are paid by 11:59 pm Eastern Time on March 1 of the current school year or prior to regional competition, whichever comes first.
- Members may compete in an event at NLC more than once if they have not previously placed in the top ten of that event at NLC. If a member places in the top ten of an event at NLC, they are no longer eligible to compete in that event.
- Members must be registered for the RLC/SLC/NLC and pay the national conference registration fee to participate in competitive events.
- Members must stay in an official FBLA hotel block to compete.
- Each chapter may submit one entry; each region may submit one entry; each state may submit four entries.
- Each competitor can only compete in one individual/team event and one chapter event (American Enterprise Project, Community Service Project, Local Chapter Annual Business Report, Partnership with Business Project) at the national level. RLC/SLC competitors may compete in one objective test/one performance event/ and one chapter event.
- Only competitors are allowed to plan, research, prepare, and set up their presentations.
- Each competitor must compete in all parts of an event for award eligibility.
- All members of a team must consist of individuals from the same chapter.
- Picture identification (physical or digital: driver's license, passport, state-issued identification, or school-issued identification) matching the conference nametag is required when checking in for competitive events.
- If competitors are late for their assigned presentation time, they will be allowed to compete with a five-point penalty until such time that results are finalized, or the accommodation would impact the fairness and integrity of the event.
- Some competitive events start before the Opening Session of SLC/NLC. The schedules for competitive events are displayed in the local time of the NLC location. Competitive event schedules cannot be changed.

#### Recognition

- The number of competitors will determine the number of winners. The maximum number of winners for each competitive event is 10/NLC; 5/SLC; 3/RLC.

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### *Event Administration*

- This event has one part: presentation
- Presentation
  - **Equipment Set-up Time:** 3 minutes
  - **Presentation Time:** 7 minutes (one-minute warning)
  - **Question & Answer Time:** 3 minutes
  - **Internet Access:** Not Provided
  - The presentation is judged at the RLC/SLC/NLC. Presentations are not open to conference attendees.
  - Timing: The presentation time is exclusive to the allotted times. Once the set-up time has been reached, the presentation time automatically begins. The presentation time shall not exceed the stated time, meaning that the set-up and Q&A time cannot be used as presentation time.
  - Technology
    - Competitors present directly from a device which includes a laptop, tablet, mobile phone, or external monitor (approximately the size of a laptop screen).
    - Competitors can present with one or two devices. If presenting with two devices, one device must face the judges and one device must face the competitors.
    - Projectors and projector screens are not allowed for use, and competitors are not allowed to bring their own.
    - Wireless slide advancers (such as a presentation clicker or mouse) are allowed.
    - External speakers are not allowed. Only device audio can be used.
    - Power is not available.
  - Non-technology Items: Materials, notecards, visual aids, and samples related to the project may be used during the presentation; however, no items may be left with the judges or audience.
  - Restricted Items: Animals (except authorized service animals), Food (for display only; may not be consumed by judges during the presentation), Links and QR codes (for display only; cannot be clicked or scanned by judges before, during, or after the presentation)
  - Teamwork: If performing as a team, all team members are expected to actively participate in the presentation.
  - Presentation should cover the following aspects:
    - Emphasize graphic interpretation of the topic and design.
    - Graphics should be computer generated.

### *Scoring*

- The presentation score will determine the winners.
- Judges must break ties.
- The decision of the judges is considered final. All announced results are final upon the conclusion of the RLC/SLC/NLC.

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### *Americans with Disabilities Act (ADA)*

- FBLA meets the criteria specified in the Americans with Disabilities Act for all competitors with accommodations submitted through the conference registration system by the registration deadline.

### *Recording of Presentations*

- No unauthorized audio or video recording devices will be allowed in any competitive event.
- Competitors in the events should be aware FBLA reserves the right to record any presentation for use in study or training materials.

### *Penalty Points*

- Competitors may be disqualified if they violate the Code of Conduct or the Honor Code.
- Five points are deducted if competitors do not follow the Dress Code or are late to their assigned presentation time.

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### Data Analysis Presentation Rating Sheet

Expectation Item	Not Demonstrated	Below Expectations	Meets Expectations	Exceeds Expectations	Points Earned
<b>Demonstrates understanding of the event topic during presentation</b>	<i>No understanding of event topic OR incorrect topic used</i>	<i>Understanding of topic inconsistent with event guidelines</i>	<i>Demonstrates understanding of the topic during the presentation</i>	<i>Demonstrates use of industry terminology of the topic during the presentation</i>	
	0 points	1-6 points	7-8 points	9-10 points	
<b>Provides analysis of data</b>	<i>No attempt made to analyze the data</i>	<i>Limited, surface-level analysis provided</i>	<i>Provides analysis of the data</i>	<i>Provides deep, industry-standard analysis of data and addresses broader global impact</i>	
	0 points	1-8 points	9-12 points	13-15 points	
<b>Provides visualizations of data</b>	<i>No visualizations provided</i>	<i>One visualization provided that provides a superficial overview of data</i>	<i>Two visualizations provided that try to explain the trends found in the data</i>	<i>At least three professional visualizations provided that explain the overall trends found in the data in the context of the topic</i>	
	0 points	1-8 points	9-12 points	13-15 points	
<b>Identifies recommendation to accomplish the purpose</b>	<i>No recommendation identified</i>	<i>Recommendation provided, but plan not developed</i>	<i>Logical recommendation and plan developed</i>	<i>Feasible recommendation and plan developed, and necessary resources identified</i>	
	0 points	1-6 points	7-8 points	9-10 points	
<b>Uses suitable and accurate statements related to topic's information in presentation</b>	<i>More than three statements are inaccurate</i>	<i>One or two statements are inaccurate</i>	<i>All statements are accurate</i>	<i>All statements are accurate with supporting evidence</i>	
	0 points	1-9 points	10-16 points	17-20 points	
<b>Substantiates and cites sources used while conducting research</b>	<i>Sources are not cited</i>	<i>Sources/References are seldom cited to support statements</i>	<i>Professionally legitimate sources &amp; resources that support statements are generally present</i>	<i>Compelling evidence from professionally legitimate sources &amp; resources is given to support statements</i>	
	0 points	1-6 points	7-8 points	9-10 points	
<b>Presentation Delivery</b>					
<b>Statements are well-organized and clearly stated</b>	<i>Competitor(s) did not appear prepared</i>	<i>Competitor(s) were prepared, but flow was not logical</i>	<i>Presentation flowed in logical sequence</i>	<i>Presentation flowed in a logical sequence; statements were well organized</i>	
	0 points	1-2 points	3-4 points	5 points	
<b>Demonstrates self-confidence, poise, assertiveness, and good voice projection</b>	<i>Competitor(s) did not demonstrate self-confidence</i>	<i>Competitor(s) demonstrated self-confidence and poise</i>	<i>Competitor(s) demonstrated self-confidence, poise, and good voice projection</i>	<i>Competitor(s) demonstrated self-confidence, poise, good voice projection, and assertiveness</i>	
	0 points	1-2 points	3-4 points	5 points	
<b>Demonstrates the ability to effectively answer questions</b>	<i>Unable to answer questions</i>	<i>Does not completely answer questions</i>	<i>Completely answers questions</i>	<i>Interacted with the judges in the process of completely answering questions</i>	
	0 points	1-6 points	7-8 points	9-10 points	
<b>Staff Only: Penalty Points (5 points for dress code penalty and/or 5 points for late arrival penalty)</b>					
<b>Presentation Total (100 points)</b>					
Name(s):					
School:					
Judge Signature:					Date:
Comments:					