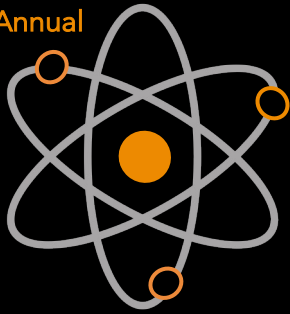


3<sup>rd</sup> Annual



# DATA ANALYSIS COMPETITION



In this track, teams must **choose one of 5 curated data sets** provided on **October 21st**, one month before competition. You will need to present your analysis and insights based on your chosen data set to a panel of judges. During your presentation, you must show all the **steps, tests, justifications, and decisions** you took to arrive at your insight/prediction. You must be able to explain these steps clearly and concisely.

## Your Goal:

- Wrangle data sets so they can be used for analysis
- Select the appropriate statistical techniques to apply to your analyses, including conducting appropriate tests
- You may use any software such as SPSS, Stata, R, Python, etc.
- Correctly interpret the results
- Provide predictions and insights as if to a decision maker

## PRESENTATION

<b>Presentation Submission:</b>	November 17 Submit to ibec@unb.ca
<b>Presentation rounds:</b>	Qualifier & Final
<b>Presentation time:</b>	10 minutes
<b>Judge Q&amp;A:</b>	10 minutes
<b>Prizes:</b>	1 <sup>st</sup> place: \$1,000 2 <sup>nd</sup> place: \$500 3 <sup>rd</sup> place: \$250

## TEASER POSTER

<b>Submission deadline:</b>	November 6 Submit in Word Document to ibec@unb.ca
<b>Details:</b>	In 3 sentences/questions, generate curiosity for your presentation
<b>Prizes:</b>	1 <sup>st</sup> place: \$750 2 <sup>nd</sup> place: \$400 3 <sup>rd</sup> place: \$250 Viewer's choice: \$150

## Important Notes:

- You may link to any other publicly available data set if you like, but these other data sets that you bring in should serve to bring out insights in the provided data set
- You can use any method for displaying your analysis, so long as it can be presented via MS Teams
- You are not required to present your teaser poster, but it will be showcased online and at the Wu Centre

### TEASTER POSTER EXAMPLE

2021 1st place winner,  
Ryan Amaral

How does the degree of vehicle ownership within a country relate to mortality rate?

As the distribution of age changes within a country, how are the mortality rates of different age groups affected?

If there is generally a relationship between how developed a country is and its mortality rates, are there any notable outliers from which we can learn?

CRITERIA	SCORE
Clearly articulated problem/question	1 to 3
Well-articulated research hypothesis	1 to 3
Clear rationale for choice of (a) statistical method(s)	1 to 3
Checks (i.e., normality, variance, etc.) conducted for appropriateness of method(s)	1 to 3
Consideration of privacy and ethical concerns	1 to 3
Appropriate use of charts as part of analysis	1 to 3
Clear verbal explanation of analysis	1 to 3
Correct interpretation of results (with confidence levels)	1 to 3
Clear visual presentation of results	1 to 3
Clear translation of final results into non-technical language	1 to 3