



Project Overview

Context

Register Here:

flu.deciphermydata.org.uk/register

Brief your headteacher and get consent form signed

Field Work

Data Entry

School Profile information: the number of students on roll is essential for calculating absence. You can also enter additional information, such as the number of pupils on free school meals, this will give you more data to analyse using the XY Scatter graph.

Illness absence data: enter the total number of absent sessions per year group for the selected week. You can get hold of your data easily by generating reports from your school's management system using instructions on the data entry page.

Trusted Students: You can delegate the responsibility of entering data by nominating trusted students. Register your students under the teacher tab on the site, also email us the usernames so that we can upgrade them (flu@deciphermydata.org.uk).

Reporting and Reviewing

Report findings using Lab Logs and then produce a final class report. Peer review reports from other schools and submit yours to Dr Rob to be included in his research paper.

Lab Logs: Dr Rob wants to know if your students have found anything interesting. To write a Lab Log, students will need to register here: <http://flu.deciphermydata.org.uk/teachers/register-your-students/>

Lesson One: What's the data all about?

- Students are introduced to the experiment and the importance of researching flu, through a discussion activity and video clip.
- Students learn about different types of variables: dependent vs. independent etc.
- Students identify relationships between variables to help make meaningful interpretations

Lesson Two: Analysing the data

- Students practice identifying patterns in example data and suggest explanations
- Students are introduced to data analysis tools on the site
- Students complete time trend analysis by comparing illness absence data from your school to national flu data from the Royal College of General Practitioners (RCGP). Identifying and explaining patterns, variation and anomalies in the data.

Lesson Three: Deciphering and reporting the data

- Students learn how scientists report their findings, including: peer review, journal quality, the importance of the "status" of the experimenter
- Students examine and rate the quality of correlations from their analysis in lesson two
- Students report findings, e.g. through class presentations and discussions. Send Rob your reports so he can include them in his research (email: flu@deciphermydata.org.uk).