1. **Problem Statement**

HMIS (Health Management & Information System) report of All India for 2018-19 and 2019-20 provides exhaustive data regarding various indicators of HMIS across states/UT in India.

It contains data on various parameters including Abortions, Immunisation, Adolescent, Bite, Sting, Disease, Diarrhoeal, Hypertension, HIV, AIDS, Malaria, Neurological, Stroke, Fever, Respiratory, Infection, suicide, Trauma, Accident, Burn, Tuberculosis etc.

**The Department of Health Research in India** is interested in understanding the situation of pneumonia, diarrhoea, measles and asthma childhood diseases in India across years.

Below is the state-wise HMIS report for 2018-2020

[hmis-report-all-india-2018-19](https://data.gov.in/resources/item-wise-hmis-report-all-india-2018-19)



[hmis-report-all-india-2019-20](https://data.gov.in/resources/item-wise-hmis-report-all-india-2019-20)



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You have been consulted to present the report results to the current **Deputy Secretary in charge** **of the Department of Health Research in India**. With the given context, you need to create a dashboard using TABLEAU. (Use the concepts learned in the class).

**Preprocessing (to be done in tableau)**

* Need to use both years data for the analysis (hint: append the data)
* Can replace nulls with 0
* Use required disease keywords (eg pneumonia) to filter from the huge list of parameters

**The objectives include**

**Demonstrate the VISUALISATION CONTEXT**

1. **KNOW YOUR AUDIENCE (First 2 questions are answered for you)**
2. List the primary groups or individuals to whom you’ll be communicating.

**Department of Health Research**

1. If you had to narrow that to a single person, who would that be?

**Deputy Secretary**

1. What does your audience care about?
2. What action does your audience need to take?
3. What is at stake? What is the benefit if the audience acts in the way you want them to? What are the risks if they don’t?
4. **WHAT?**

* What are you trying to communicate? What questions are you trying to answer/display in your visualizations? Write these as specific questions. You need to come up with 3 questions at least, each of which will be answered using one Viz.
* **Data preparation needed to answer the specific queries must be done.**

1. **Present the BIG IDEA**.

* It should: (1) articulate your point of view, (2) convey what’s at stake, and (3) be a complete (and single!) sentence.

1. **HOW?**
   1. Chart 1: What type of viz did you create? Why did you select the viz that you did?
   2. Chart 2: What type of viz did you create? Why did you select the viz that you did?
   3. Chart 3: What type of viz did you create? Why did you select the viz that you did?
   4. For each of the Visualisation, identify at least 3 Gestalt principles employed.
   5. For each of the Visualisation, mention how you strategically used pre-attentive attributes to draw the audience's attention.