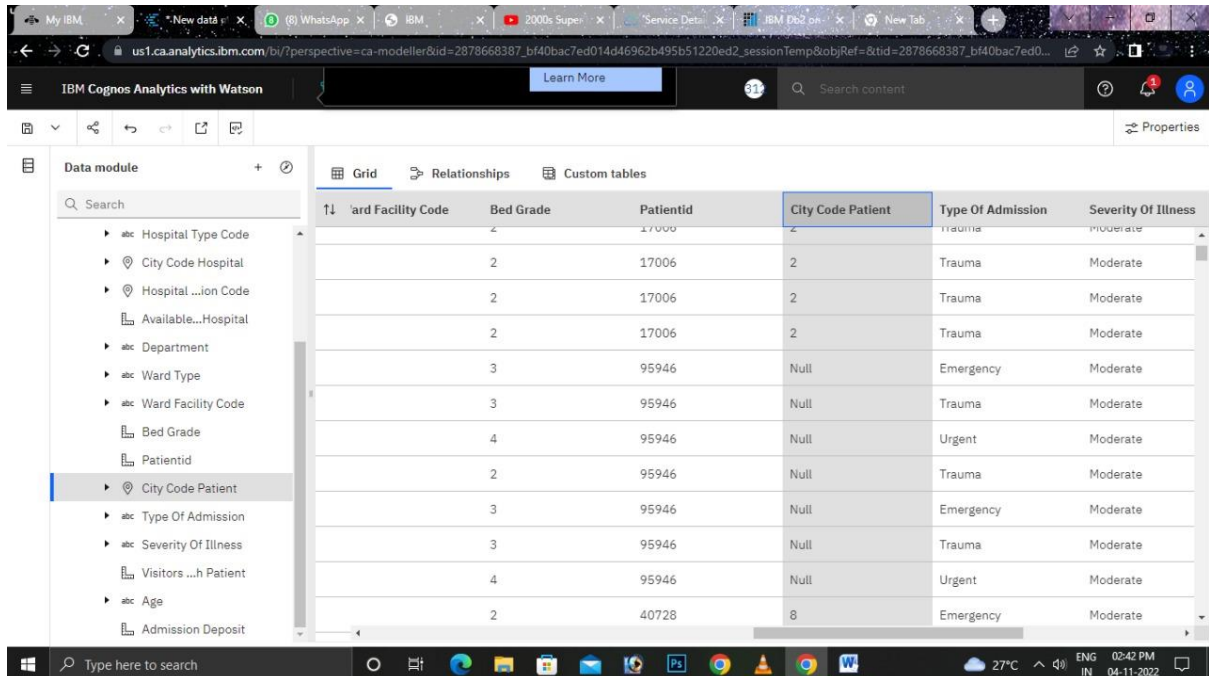


# DATA PREPROCESSING

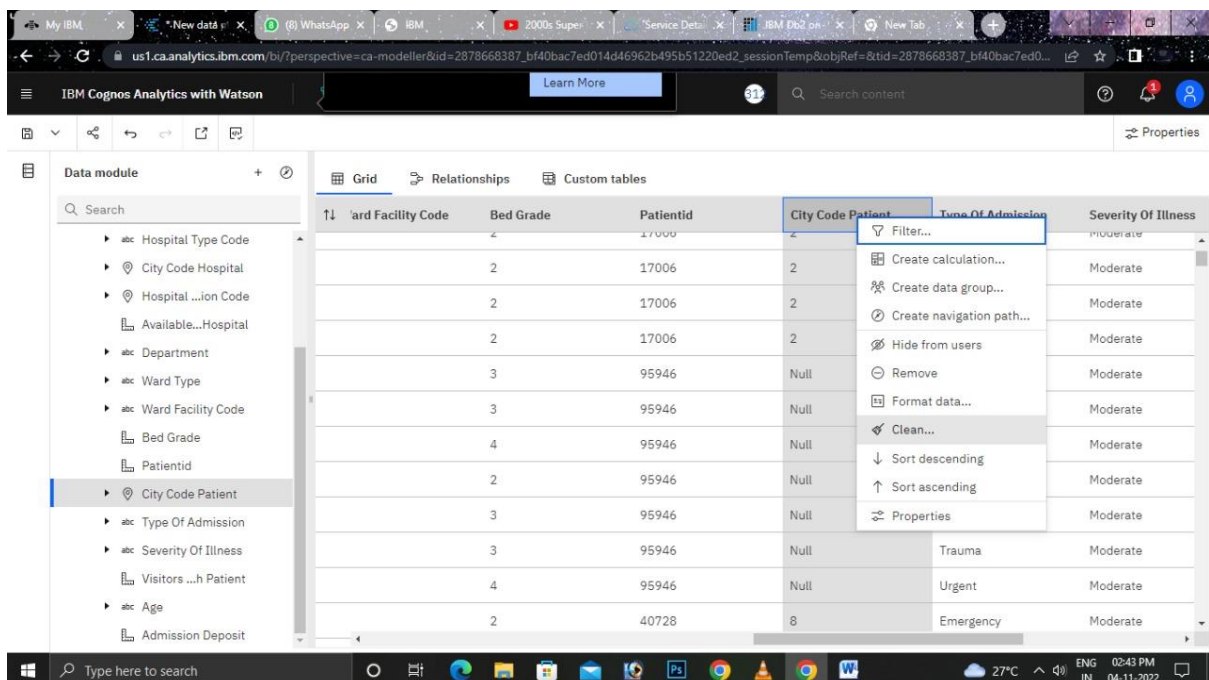
## BEFORE PREPROCESSING



The screenshot shows the IBM Cognos Analytics interface. On the left, the 'Data module' pane lists various data sources, with 'City Code Patient' selected. The main area displays a table with the following columns: Ward Facility Code, Bed Grade, Patientid, City Code Patient, Type Of Admission, and Severity Of Illness. The table contains 12 rows of data.

Ward Facility Code	Bed Grade	Patientid	City Code Patient	Type Of Admission	Severity Of Illness
2	2	17006	2	Trauma	Moderate
2	2	17006	2	Trauma	Moderate
2	2	17006	2	Trauma	Moderate
2	2	17006	2	Trauma	Moderate
3	3	95946	Null	Emergency	Moderate
3	3	95946	Null	Trauma	Moderate
4	4	95946	Null	Urgent	Moderate
2	2	95946	Null	Trauma	Moderate
3	3	95946	Null	Emergency	Moderate
3	3	95946	Null	Trauma	Moderate
4	4	95946	Null	Urgent	Moderate
2	2	40728	8	Emergency	Moderate

## AFTER PREPROCESSING



The screenshot shows the same IBM Cognos Analytics interface as before, but with a context menu open over the 'City Code Patient' column. The menu options include: Filter..., Create calculation..., Create data group..., Create navigation path..., Hide from users, Remove, Format data..., Clean..., Sort descending, Sort ascending, and Properties. The 'Clean...' option is highlighted.

Ward Facility Code	Bed Grade	Patientid	City Code Patient	Type Of Admission	Severity Of Illness
2	2	17006	2	Trauma	Moderate
2	2	17006	2	Trauma	Moderate
2	2	17006	2	Trauma	Moderate
2	2	17006	2	Trauma	Moderate
3	3	95946	Null	Emergency	Moderate
3	3	95946	Null	Trauma	Moderate
4	4	95946	Null	Urgent	Moderate
2	2	95946	Null	Trauma	Moderate
3	3	95946	Null	Emergency	Moderate
3	3	95946	Null	Trauma	Moderate
4	4	95946	Null	Urgent	Moderate
2	2	40728	8	Emergency	Moderate

