

The dataset contains the following columns:

Column name	Column description
Patient Id	Represents the unique identification number of a patient
Patient Age	Represents the age of a patient
Genes in mother's side	Represents a gene defect in a patient's mother
Inherited from father	Represents a gene defect in a patient's father
Maternal gene	Represents a gene defect in the patient's maternal side of the family
Paternal gene	Represents a gene defect in a patient's paternal side of the family
Blood cell count (mcL)	Represents the blood cell count of a patient
Patient First Name	Represents a patient's first name
Family Name	Represents a patient's family name or surname
Father's name	Represents a patient's father's name
Mother's age	Represents a patient's mother's name
Father's age	Represents a patient's father's age
Institute Name	Represents the medical institute where a patient was born
Location of Institute	Represents the location of the medical institute
Status	Represents whether a patient is deceased
Respiratory Rate (breaths/min)	Represents a patient's respiratory breathing rate
Heart Rate (rates/min)	Represents a patient's heart rate
Test 1 - Test 5	Represents different (masked) tests that were conducted on a patient

Test 1 - Test 5	Represents different (masked) tests that were conducted on a patient
Parental consent	Represents whether a patient's parents approved the treatment plan
Follow-up	Represents a patient's level of risk (how intense their condition is)
Gender	Represents a patient's gender
Birth asphyxia	Represents whether a patient suffered from birth asphyxia
Autopsy shows birth defect (if applicable)	Represents whether a patient's autopsy showed any birth defects
Place of birth	Represents whether a patient was born in a medical institute or home
Folic acid details (peri-conceptual)	Represents the periconceptual folic acid supplementation details of a patient
H/O serious maternal illness	Represents an unexpected outcome of labor and delivery that resulted in significant short or long-term consequences to a patient's mother
H/O radiation exposure (x-ray)	Represents whether a patient has any radiation exposure history
H/O substance abuse	Represents whether a parent has a history of drug addiction
Assisted conception IVF/ART	Represents the type of treatment used for infertility
History of anomalies in previous pregnancies	Represents whether the mother had any anomalies in her previous pregnancies

No. of previous abortion	Represents the number of abortions that a mother had
Birth defects	Represents whether a patient has birth defects
White Blood cell count (thousand per microliter)	Represents a patient's white blood cell count
Blood test result	Represents a patient's blood test results
Symptom 1 - Symptom 5	Represents (masked) different types of symptoms that a patient had
Genetic Disorder	Represents the genetic disorder that a patient has
Disorder Subclass	Represents the subclass of the disorder



## Evaluation metric

```
# Genetic Disorder
score1 = max(0, 100*metrics.f1_score(actual["Genetic Disorder"], predicted["Genetic Disorder"], average="macro"))

# Disorder Subclass
score2 = max(0, 100*metrics.f1_score(actual["Disorder Subclass"], predicted["Disorder Subclass"], average="macro"))

# Final score
score = (score1/2)+(score2/2)
```