Contains EHRKIT Documentation and testing the installation setup, helper functions.

EHRKit requires Medical Information Mart for Intensive Care-III (MIMIC-III) database to be installed.

Followed the installation setup for EHRKIT and installed (MIMIC-III) database.

Found that Notesevent database has missing values and issues.

Pulled a issue in the official repository and reported the issue,

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### Tangra DB Structure ###

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### DIAGNOSES\_ICD Table ###

Description: Stores ICD-9 Diagnosis Codes for patients

Source: https://mimic.physionet.org/mimictables/diagnoses\_icd/

ATTRIBUTES:

HADM\_ID = unique ID for hospital ID (possibly more than 1 per patient)

SEQ\_NUM = Order of priority for ICD diagnoses

ICD9\_CODE = ICD-9 code for patient diagnosis

SUBJECT\_ID = unique ID for each patient

### D\_ICD\_DIAGNOSES Table ###

Description: Definition Table for ICD Diagnoses

Source: https://mimic.physionet.org/mimictables/d\_icd\_diagnoses/

ATTRIBUTES:

SHORT\_TITLE

LONG\_TITLE

ICD9\_CODE: FK on DIAGNOSES\_ICD.ICD9\_CODE

### D\_ICD\_PROCEDURES Table ###

Description: Definition Table for ICD procedures

Source: https://mimic.physionet.org/mimictables/d\_icd\_procedures/

ATTRIBUTES:

SHORT\_TITLE

LONG\_TITLE

ICD9\_CODE: FK on DIAGNOSES\_ICD.ICD9\_CODE

### NOTEEVENTS Table ###

Description: Stores all notes for patients

Source: https://mimic.physionet.org/mimictables/noteevents/

ATTRIBUTES:

SUBJECT\_ID = unique ID for patient

HADM\_ID = unique hospital admission ID

CHART-DATE = timestamp for date when note was charted

CATEGORY and DESCRIPTION: describe type of note

CGID = unique ID for caregiver

ISERROR = if 1, means physician identified note as erroneous

TEXT = note text

### PATIENTS Table ###

Description: Demographic chart data for all patients

Source: https://mimic.physionet.org/mimictables/patients/

ATTRIBUTES:

SUBJECT\_ID = unique ID for patient

GENDER

DOB

DOD\_HOSP: Date of death as recorded by hospital (null if alive)

DOD\_SSN: Date of death as recorded in social security DB. (null if alive)

DOD\_HOSP takes priority over DOD\_SSN if both present

EXPIRE\_FLAG = 1 if patient dead

### PROCEDURES\_ICD Table ###

Description: Stores ICD-9 procedures for patients (similar to DIAGNOSES\_ICD)

Source: https://mimic.physionet.org/mimictables/procedures\_icd/

ATTRIBUTES:

SUBJECT\_ID = unique patient ID

HADM\_ID = unique hospital admission ID

SEQ\_NUM = order in which procedures were performed

ICD9\_CODE = ICD-9 code for procedure