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| **FILE NAME** | **DATASET** | **CAUSE-EFFECT ASSOCIATION** | **BRIEF DATASET DESCRIPTION** | **DATASET SOURCE** | **RELATED PAPERS** |
| Dataset\_1.csv | Drug Relation Database | Drug->side effect/symptom | Contributors read color-coded sentences and determined what the relationship of a drug was to certain symptoms or diseases. | <https://data.world/crowdflower/drug-relation-database> |  |
| Dataset\_2.csv | Drug and SIDER side-effect keywords relationships | Drug->side effect/symptom | It includes 61,102 associations between 888 drugs and 1385 side-effect terms. Generated from SIDER2. | <https://astro.temple.edu/~tua87106/druganalysis.html> | <https://www.sciencedirect.com/science/article/pii/S1532046414000811> |
| Dataset\_3.csv | Disease-indication data source: Drug and therapeutic indication relationships | Drug->side effect/symptom | It includes 3,250 treatment relationships between 799 drugs and 719 diseases. Generated from Li and Lu3. | <https://astro.temple.edu/~tua87106/druganalysis.html> | <https://www.sciencedirect.com/science/article/pii/S1532046414000811> |
| Dataset\_4.csv | Highly correlated disease-side-effect associations | Drug->side effect/symptom | It includes 6,706 highly correlated disease-side-effect associations between 719 disease and 1385 side-effects | <https://astro.temple.edu/~tua87106/druganalysis.html> | <https://www.sciencedirect.com/science/article/pii/S1532046414000811> |
|  | GAAIN | Alzheimers data (Need to request) |  | <http://gaain.org/> |  |
|  | MIMIC |  |  | <https://mimic.physionet.org/gettingstarted/dbsetup/#downloading-the-mimic-iii-database> |  |
|  | DisgeNET | Drug & gene asssociation |  | <https://www.disgenet.org/> |  |