|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Used metrics to assess performance | Use of Electronic Health Record | Number of Participants | Evaluated characteristic | ID |
| Precision | ----- | ---- | Precision of the outcome | 01 |
| Role quality, Role cover, Role Priority | ----- | ---- | Test the output by expert | 02 |
| Virtualizing diabetics metrics | Yes | ------- | Virtualizing for experts | 03 |
| Utility,Waiting Time, Path Duration, Pearson’s Correlation  Coefficient, t statistic | No | 10 | t test | 04 |
| Reliability of information,  Quality of the website, Usability | yes | 70 | Interview | 05 |
| User ratings  User satisfaction | yes | 16 | Questionnaire for User satisfaction | 06 |
| Coverage, RMSE and precision | yes | 213 | Calculate Metrics from Database | 07 |
| User Preference  User ratings  Ranking quality | no | 18 | usability validation by  User survey | 08 |
| Accuracy,  Recall,  Precision,  F2,  Informedness | No | 65315 | Calculate Metrics from Database | 09 |
| F value  P value  Precision | Yes | 112 | ANOVA Testing | 10 |
| Recall,  Precision,  F measure | No | 3363 | Calculate Metrics from Database | 11 |
| Usability | --- | --- | Monitoring use of system | 12 |
| Recall, precision, f-score | No | 10 | Monitoring and calculate Metrics by volunteers | 13 |
| User satisfaction | Yes | --- | Case study by monitoring persons | 14 |
| Precision  normalized discounted cumulative gain (nDCG) | No | 26 | Expert opinion on related content | 15 |
| F1  MAE  Coverage  Precision  recall | No | 170 | Group opinion on family healthy foods | 16 |
| Avg. error | Yes | 6 | Expert opinion and calculate level of glucose, insulin | 17 |
| accuracy | No | 1047 | prediction model of depression using decision tree and SVM | 18 |
| accuracy | Yes | 802 | Cluster medical history of patients with W-InCF | 19 |
| Precision  Recall  F measure | yes | 32 | Use public vital signs dataset to predict and provide roles | 20 |
| User satisfaction  Perceived usefulness  Perceived value  Perceived trust | No | 202 | Questionnaire for Usability | 21 |
| Accuracy  running time | Yes | 1200 | Used patients dataset for medical diagnosis | 22 |
| Precison  MAE  F1 | No | 300 | Cluster users | 23 |
| Accuracy | Yes | 802 | Used patients dataset for medical diagnosis | 24 |
| dimensionality reduction ratio, approximation ratio,  accuracy,  RMSE,  MAPE  latency | Yes | 500 | Collect sensor vital data and contextual data and PHR and dimensions reduction and classification | 25 |
| Accuracy  Sensitivity  Precision F1  Specificity | No | 105 | Used patients dataset for medical diagnosis | 26 |
| Accuracy  Attributes’ weight | No | 11 | UVA/PADOVA type 1 diabetes  simulator | 27 |
| RMSE  MAE | No | 10,000 | Used hospital ranking datasets | 28 |
| Sensitivity,  Specificity and  Mean Square Error (MSE) | No | 250 | Used | 29 |
| P value  F value  Satisfaction  PEOU  PU  z-scores | yes | 30 | ANOVA Testing  and  Questionnaire for user  Satisfaction | 30 |
| P value  T value | No | 200 | T test | 31 |
| Accuracy (Acc)  Precision (Pre)  Recall (Rec)  F1-measure (FM)  RMSE  MAE | Yes | 2000  &  768 | Calculate metrics from database | 32 |
| Accuracy  Latency  Reduction and approximation ratios | Yes | 100 patients  20 doctors | using a case study on the basis of various performance metrics | 33 |
| Body parameters  Medical parameters  User details | yes | 5000 | Clinical Health Parameters (CHP) of a patient, current technological  aspects, uses in the medical sector and recent advancement in health care | 34 |
| User rating  Accuracy  Preference  Ranking quality | no | 17 | analysis of the interviews  questionnaire  **Qualitative Feedback** | 35 |
| RMSE | NO | 55 | Calculate Metrics from database | 36 |
| user’s response  user engagement  user perception | No | 731 | ANOVA testing | 37 |
| Accuracy, precision, recall, f-measures | No | 1839 | Test the output by experts | 38 |
| Precision, Recall, and Mean Reciprocal Ranking(MRR) | no | ---- | test the RelRa algorithm against a random algorithm & Calculate Metrics | 39 |
| hit rate and average reciprocal hit rate | …………. | ……….. | Calculate Metrics From Database | 40 |
| Mean Absolute Error (MAE)  Recall and accuracy | Yes | 100 | Calculate metrics from database data | 41 |
| Precision, recall , accuracy, area under the receiver operating curve (AUROC) | Yes | 6511 | Calculate Metrics from database | 42 |
| RMSE  MAE | yes | 116 | calculate metrics from database | 43 |
| User preference  Precision  Accuracy  Shortcut Gain | yes | 496942  Positive tweets | Accuracy  Computational complexity | 44 |
| -- | No | -- | -- | 45 |
| Accuracy,  Sensitivity,  Specificity,  Precision | Yes | 105 | calculate metrics from database  Conversation with the user | 46 |
| precision  recall | YES | **Data collected:**  88,746  (511 manual extraction)  **Patient’s tested:**  50 | Manually extracted from books and guidelines –  crawled from the websites using python (Beautiful soap library) | 47 |
| Accuracy | no | N/A | calculate metrics from database | 48 |
| Recall  Support  confidence | no | N/A | Cross validation | 49 |
| smoking cessation rates,  Precision,  p values | Yes | 1100 | T test, ANOVA Testing,  chi-square test | 50 |
| MAE  RMSE  Precision  Recall  f-score | No | ---- | Calculate metrics from publicly accessible healthcare datasets. | 51 |
| min\_sup  min\_conf | no | 10000 | Prescription for patients with high blood pressure | 52 |
| Accuracy  Kappa  AUC | No | 151 + 256 | personality questionnaire,  surveys,  Calculate Metrics from Database | 53 |
| Accuracy | no | N/A | calculate metrics from database | 54 |