NINDS volumes exploration

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*6/10/2018 (minor rev. 7/29/2018)*

NINDS Outcomes Visualization

Initially, I must gain visual insight into the longitudinal, multivariate outcomes measured in NINDS, including infarct volumes and the multiple clinical assessments. Of particular interest will be the *concordance* of objective and clinical measures. I'll aim to explore this concordance with well-designed data graphics.

Let me begin with serialized measures of NIHSS (nihssb, hour2, hour24, seventen, ninety) and CT lesion sizes (lesvol, les24, les710, les3m). To 'stratify' cases by *severity*, let me exclude cases of hemorrhage and sort by the **3-month** lesion volume on CT.
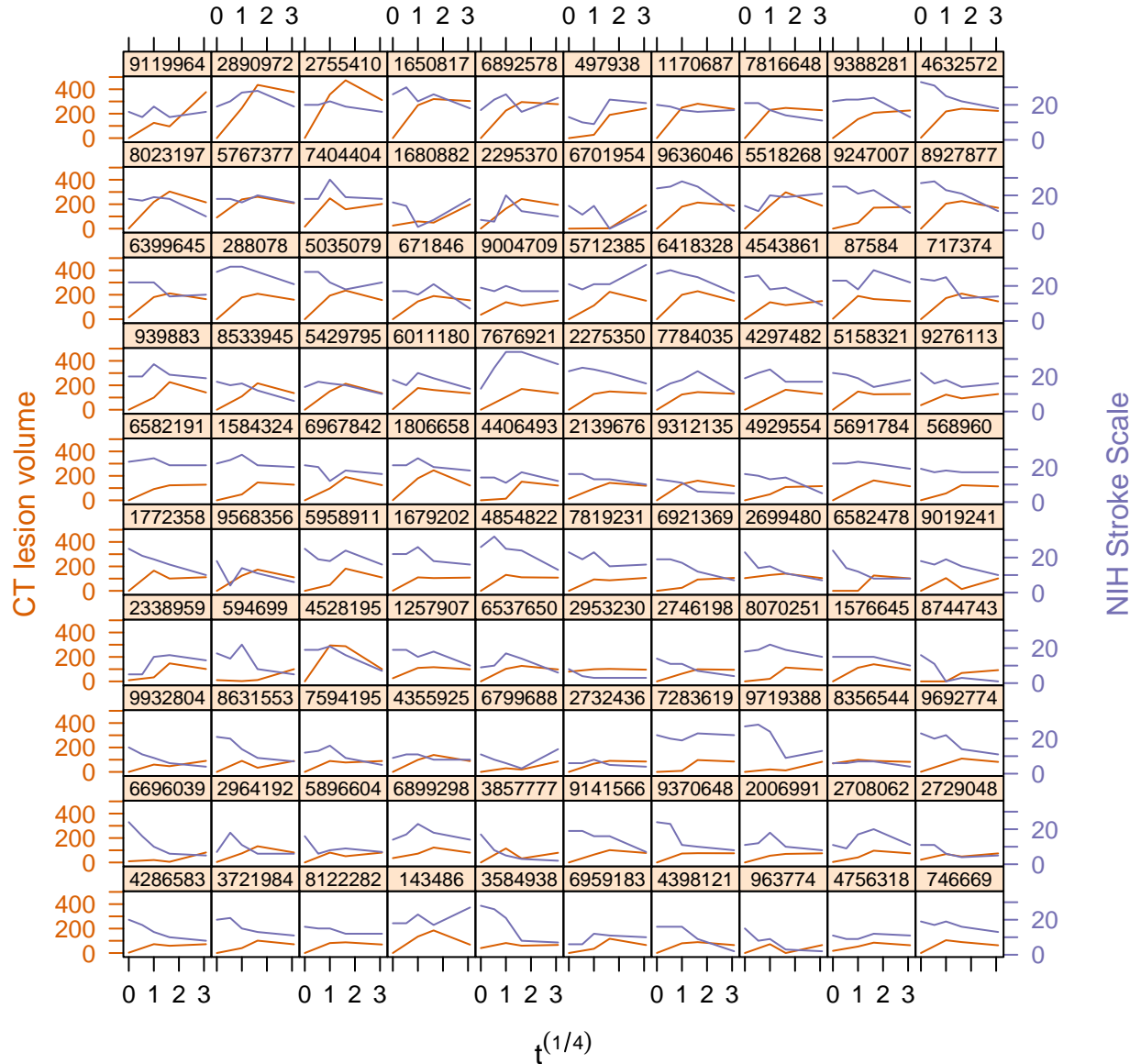
From the above, I gather that many of these cases do not tell the simple story I would have expected: that the first day (or week) after the stroke, the damage consolidates. Some cases (e.g., 497938, 5958911 and 4406493) seem to show a 2nd stroke occurring during the first 90 days. So apparently I must read up on the details of stroke imaging!

Pending this, however, let my try restricting to cases of cardioembolic stroke, in the hope that some of the worst effects here come from 'large vessel occlusions'.
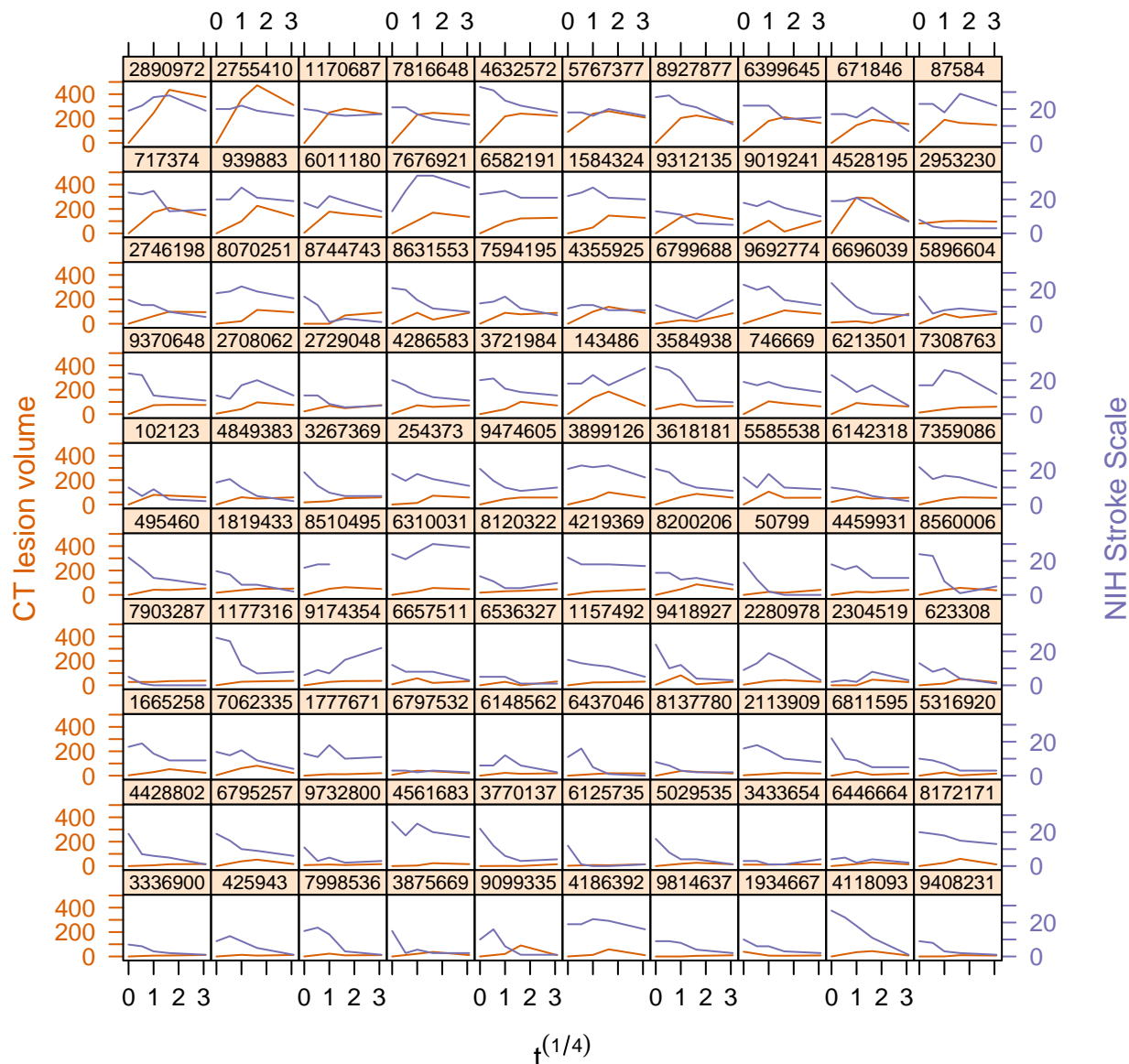
Well, look at that! Upon eyeballing this array, I gain the distinct impression of 'less surprising' clinical and imaging courses. The CT lesion volumes exhibit more convexity and asymptote-like behavior.

Correlation of lesion volume with NIHSS
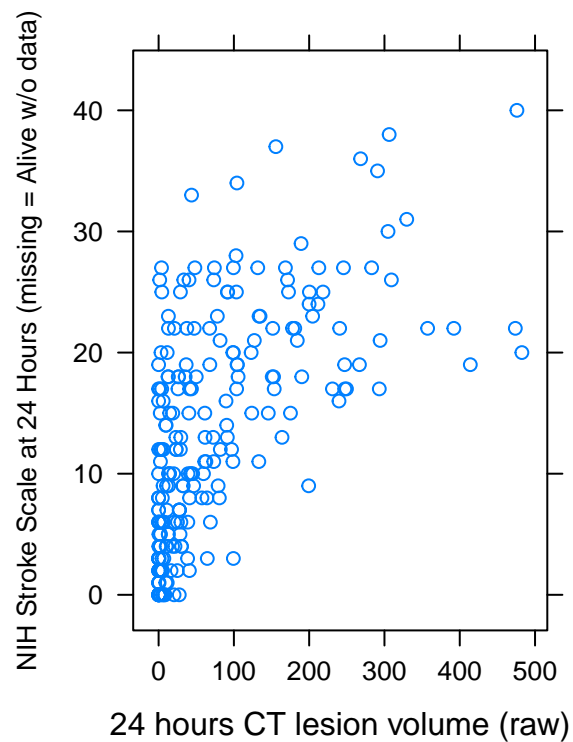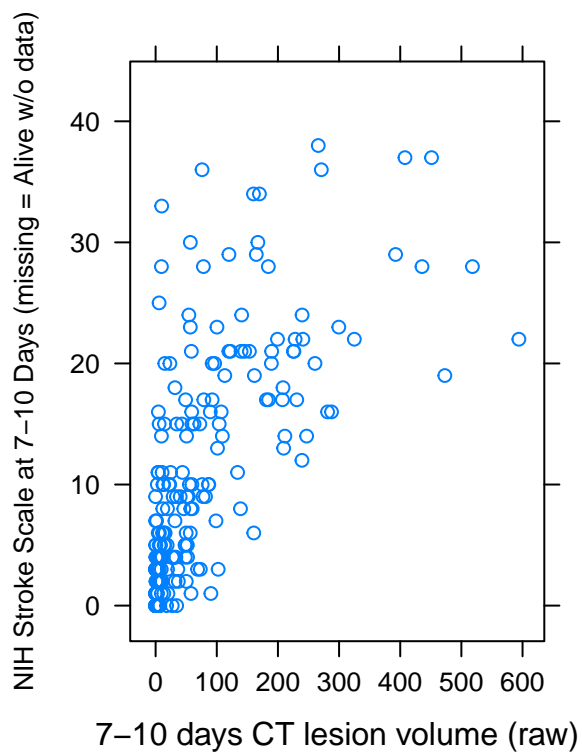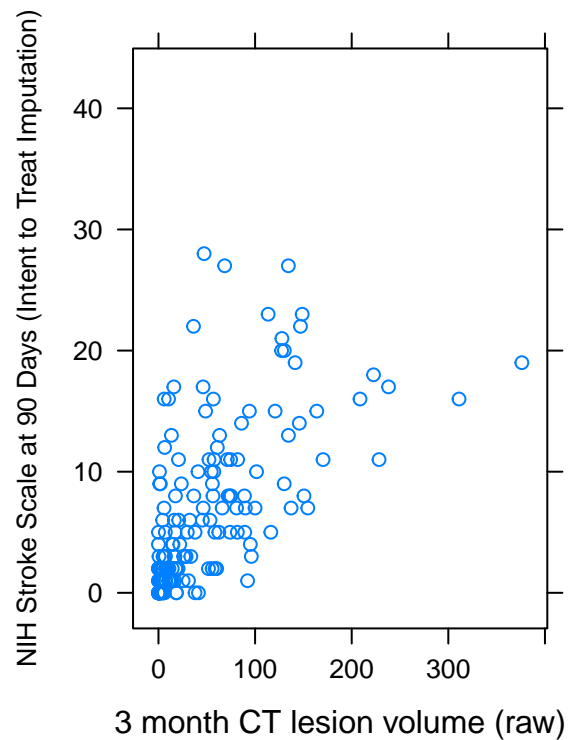
Cumulative distribution comparison for lesion volumes
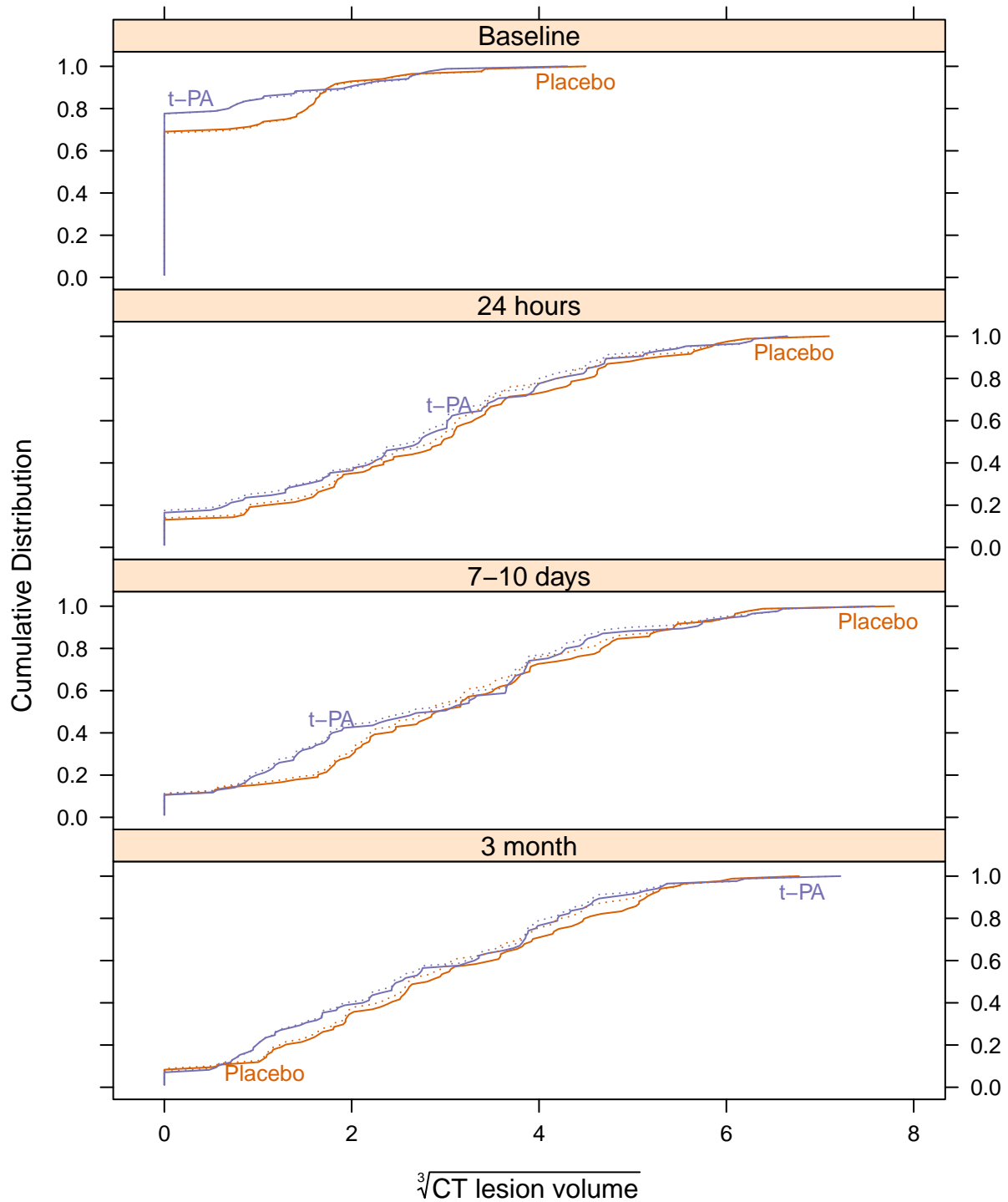
Figure 1: Cumulative distributions of CT lesion volumes, at baseline, 24 hours, 7-10 days, and 3 months. Dotted curves exclude cases with ICH.

Restrict the above to lesionless baseline CT

Figure 2: Cumulative distributions of CT lesion volumes, at 24 hours, 7-10 days, and 3 months, for subjects with no lesion on the baseline CT. Dotted curves exclude cases with ICH.

Appendix

303 Variables 624 Observations

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cheart : Baseline Pulse Rate

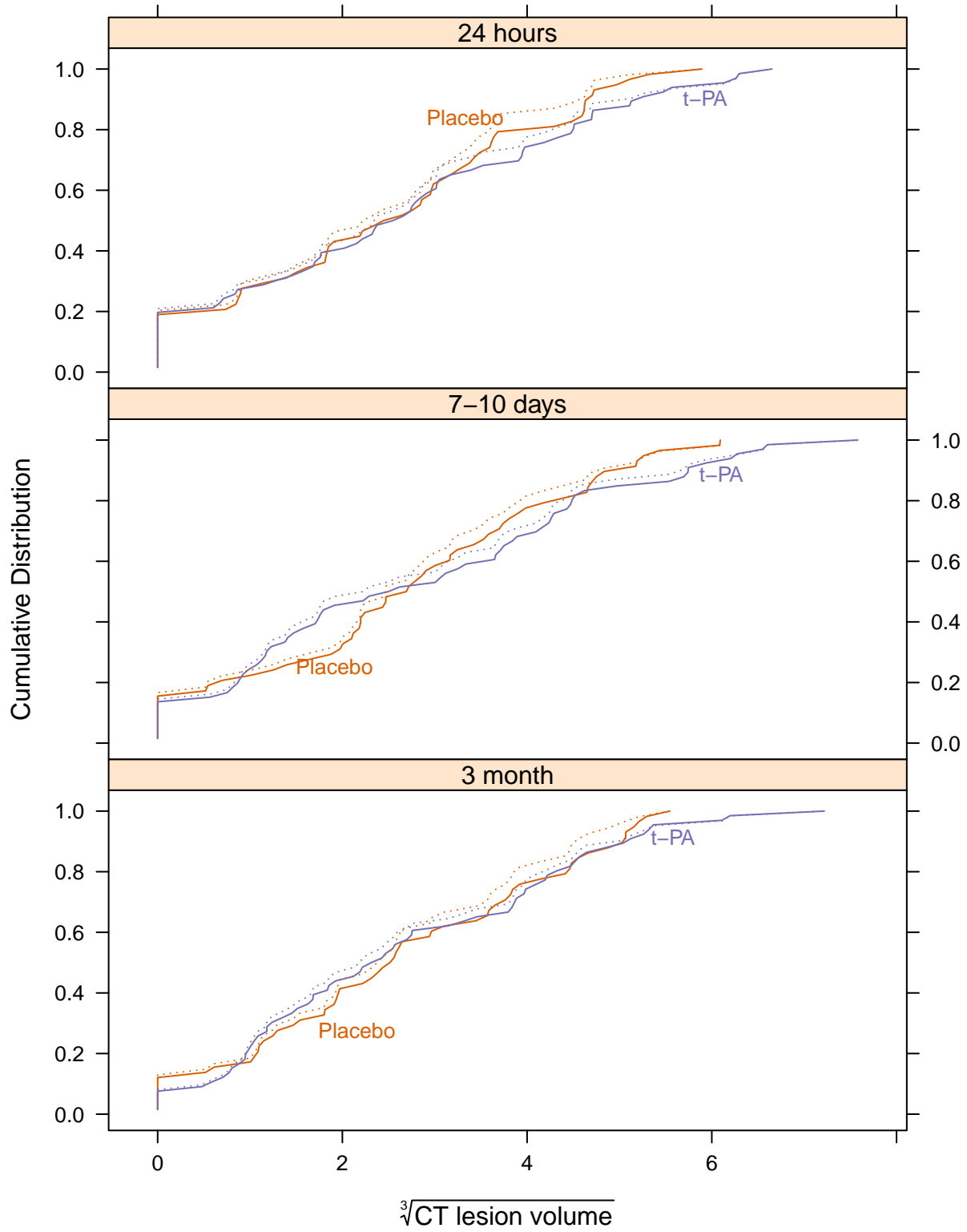| n	missing	distinct	Info	Mean	Gmd	.05	.10	.25	.50	.75	.90	.95
603	21	87	0.999	81.96	19.09	58.0	62.2	70.0	80.0	91.5	104.0	115.0

```
lowest :  44  46  48  49  50, highest: 140 141 144 152 155
```

---

bdiab : History of Diabetes at Baseline

n	missing	distinct
620	4	2

Value	FALSE	TRUE
Frequency	489	131
Proportion	0.789	0.211

---

bhyper : History of Hypertension at Baseline

n	missing	distinct
617	7	2

Value	FALSE	TRUE
Frequency	209	408
Proportion	0.339	0.661

---

bmi : History of Myocardial Infarction at Baseline

n	missing	distinct
595	29	2

Value	FALSE	TRUE
Frequency	464	131
Proportion	0.78	0.22

---

bangina : History of Angina at Baseline

n	missing	distinct
597	27	2

Value	FALSE	TRUE
Frequency	466	131
Proportion	0.781	0.219

---

bcong : History of Congestive Heart Failure at Baseline

n	missing	distinct
596	28	2

Value	FALSE	TRUE
Frequency	497	99
Proportion	0.834	0.166

---

bval : History of Valvular Heart Disease at Baseline

n	missing	distinct	Info	Mean	Gmd
597	27	2	0.205	7.37	13.68

Value	0	100
Frequency	553	44
Proportion	0.926	0.074

---

aspirin : Aspirin Use prior to Randomization

n	missing	distinct
624	0	2

Value	FALSE	TRUE
Frequency	408	216
Proportion	0.654	0.346

---

nrankin : Prestroke Rankin

n	missing	distinct	Info	Mean	Gmd
624	0	5	0.376	0.274	0.491

Value	0	1	2	3	4
Frequency	533	43	23	18	7
Proportion	0.854	0.069	0.037	0.029	0.011

---

nsthx : Patient Reported Prior Stroke at Baseline

```
      n  missing  distinct
    618        6         2
```

```
Value       FALSE   TRUE
Frequency     535     83
Proportion  0.866  0.134
```

---

ntiahx : Patient Reported Prior TIA at Baseline

```
      n  missing  distinct
    578       46         2
```

```
Value       FALSE   TRUE
Frequency     479     99
Proportion  0.829  0.171
```

---

patrial : Atrial Fibrillation at Admission

```
      n  missing  distinct
    619        5         2
```

```
Value       FALSE   TRUE
Frequency     504    115
Proportion  0.814  0.186
```

---

treatcd : Treatment Code

```
      n  missing  distinct
    624        0         2
```

```
Value      Placebo    t-PA
Frequency      312     312
Proportion     0.5     0.5
```

---

cursmker : Smoking in Year prior to This Stroke

```
      n  missing  distinct
    615        9         2
```

```
Value       FALSE   TRUE
Frequency     400    215
Proportion   0.65   0.35
```

---

nopdis : No Preexisting Disability at Baseline

```
      n  missing  distinct
    624        0         2
```

```
Value       FALSE   TRUE
Frequency      48    576
Proportion  0.077  0.923
```

---

csys : Baseline Systolic BP

```
      n  missing  distinct   Info   Mean    Gmd    .05    .10    .25    .50    .75    .90    .95
    607       17        96  0.999  153.1  24.03  118.3  125.2  140.0  152.0  170.0  180.0  183.4
```

```
lowest :  90 100 102 104 106, highest: 212 214 215 220 227
```

---

cdia : Baseline Diastolic BP

```
      n  missing  distinct   Info   Mean   Gmd   .05   .10   .25   .50   .75   .90   .95
    603       21        66  0.997  85.44  14.8    64    70    77    85    94   101   106
```

```
lowest :  47  49  52  53  54, highest: 120 123 124 130 134
```

---

bgender : Patient's Gender

```
      n  missing  distinct
    624        0         2
```

```
Value      female   male
Frequency     262    362
Proportion   0.42   0.58
```

---

brace : Patient's Race

```
      n  missing  distinct
    624        0         5
```

```
Value       Black   White Hispanic   Asian   Other
Frequency     169     403       37       8       7
Proportion  0.271   0.646    0.059   0.013   0.011
```

tweight : Estimated Weight (kg) at Randomization

n	missing	distinct	Info	Mean	Gmd	.05	.10	.25	.50	.75	.90	.95
623	1	157	0.999	78.37	17.88	54.05	56.80	68.15	78.00	86.40	100.00	104.50

```
lowest :  39.0  41.0  43.1  44.0  44.2, highest: 127.0 130.0 136.4 141.0 179.5
```

tdx : Presumptive Diagnosis at Time of Treatment

n	missing	distinct
624	0	4

Value	Small vessel occlusive	Cardioembolic	Large vessel occlusive
Frequency	81	273	252
Proportion	0.130	0.438	0.404

Value	Other
Frequency	18
Proportion	0.029

age : Age in Years

n	missing	distinct	Info	Mean	Gmd	.05	.10	.25	.50	.75	.90	.95
624	0	605	1	66.94	13.03	45.22	50.29	60.12	68.69	75.37	80.32	82.53

```
lowest : 26.48927 30.92469 33.89532 34.02126 34.57706, highest: 87.00528 87.51453 88.20996 88.51387 89.00000
```

weight : Actual Weight (kg) Measured after Randomization

n	missing	distinct	Info	Mean	Gmd	.05	.10	.25	.50	.75	.90	.95
624	0	385	1	78.07	19.37	51.12	55.91	65.88	77.36	88.00	99.77	107.28

```
lowest :  41.17914  41.72336  42.67574  44.20000  44.44444
highest: 136.05442 137.41497 140.58957 150.40000 179.59184
```

lglu : Serum Glucose at Baseline (mg/dl)

n	missing	distinct	Info	Mean	Gmd	.05	.10	.25	.50	.75	.90	.95
622	2	191	1	149.8	68.84	89.0	95.0	106.0	124.0	159.8	247.8	328.4

```
lowest :  73  74  76  77  80, highest: 487 500 511 521 591
```

ofibrin : Fibrinogen at Baseline (mg/dl)

n	missing	distinct	Info	Mean	Gmd	.05	.10	.25	.50	.75	.90	.95
570	54	231	1	326.3	107.9	188.9	218.8	262.0	316.0	386.0	453.5	511.5

```
lowest :  10  38  50  57  95, highest: 622 624 626 641 719
```

ctedema : Edema on Baseline CT

n	missing	distinct
616	8	2

Value	FALSE	TRUE
Frequency	587	29
Proportion	0.953	0.047

ctmassef : Mass Effect on Baseline CT

n	missing	distinct
616	8	2

Value	FALSE	TRUE
Frequency	594	22
Proportion	0.964	0.036

rcentcd : Center Of Randomization

n	missing	distinct	Info	Mean	Gmd
624	0	8	0.965	4.809	2.557

Value	1	2	3	4	5	6	8	9
Frequency	39	62	72	146	150	1	104	50
Proportion	0.062	0.099	0.115	0.234	0.240	0.002	0.167	0.080

symp : Any Hemorrhage during Trial

n	missing	distinct
68	556	2

Value	Symp	Asymp
Frequency	29	39
Proportion	0.426	0.574

8

syfatal : Fatal Symptomatic Hemorrhage during Trial

```
       n   missing   distinct
      68       556          2
```

```
Value         FALSE   TRUE
Frequency        57     11
Proportion    0.838  0.162
```

---

part : Designation of Trial (Part I or II)

```
       n   missing   distinct      Info      Mean       Gmd
     624         0          2     0.747     1.534    0.4985
```

```
Value             1      2
Frequency       291    333
Proportion    0.466  0.534
```

---

bar6m : Barthel Index at 6 Months (Intent to Treat Imputation)

```
       n   missing   distinct      Info      Mean       Gmd     .05     .10     .25     .50     .75     .90     .95
     624         0         21     0.917     61.07     45.89       0       0       0      85     100     100     100
```

```
lowest :   0   5  10  15  20, highest:  80  85  90  95 100
```

---

rank6m : Modified Rankin Scale at 6 Months (Intent to Treat Imputation)

```
       n   missing   distinct      Info      Mean       Gmd
     624         0          7     0.968     3.018     2.474
```

```
Value             0      1      2      3      4      5      6
Frequency        92    125     58     92     72     32    153
Proportion    0.147  0.200  0.093  0.147  0.115  0.051  0.245
```

---

gos6m : Glasgow at 6 Months (Intent to Treat Imputation)

```
       n   missing   distinct      Info      Mean       Gmd
     624         0          5      0.92      2.54     1.699
```

```
Value             1      2      3      4      5
Frequency       231    133    105      2    153
Proportion    0.370  0.213  0.168  0.003  0.245
```

---

bar12m : Barthel Index at 12 Months (Intent to Treat Imputation)

```
       n   missing   distinct      Info      Mean       Gmd     .05     .10     .25     .50     .75     .90     .95
     624         0         21     0.901     57.43     47.92       0       0       0      85     100     100     100
```

```
lowest :   0   5  10  15  20, highest:  80  85  90  95 100
```

---

rank12m : Modified Rankin Scale at 12 Months (Intent to Treat Imputation)

```
       n   missing   distinct      Info      Mean       Gmd
     624         0          7     0.959     3.167     2.572
```

```
Value             0      1      2      3      4      5      6
Frequency        94    119     59     77     55     32    188
Proportion    0.151  0.191  0.095  0.123  0.088  0.051  0.301
```

---

gos12m : Glasgow at 12 Months (Intent to Treat Imputation)

```
       n   missing   distinct      Info      Mean       Gmd
     624         0          5     0.911     2.683     1.813
```

```
Value             1      2      3      4      5
Frequency       235    106     93      2    188
Proportion    0.377  0.170  0.149  0.003  0.301
```

---

arankin : Rankin at 7-10 Days

```
       n   missing   distinct      Info      Mean       Gmd
     619         5          7     0.962     3.229     2.068
```

```
Value             0      1      2      3      4      5      6
Frequency        72     83     56     58    158    154     38
Proportion    0.116  0.134  0.090  0.094  0.255  0.249  0.061
```

---

rank3m : Modified Rankin Scale at 90 Days (Intent to Treat Imputation)

```
       n   missing   distinct      Info      Mean       Gmd
     624         0          7     0.974     2.928     2.369
```

```
Value             0      1      2      3      4      5      6
Frequency        90    126     61     85    104     40    118
Proportion    0.144  0.202  0.098  0.136  0.167  0.064  0.189
```

gos3m : Glasgow at 90 Days (Intent to Treat Imputation)

n	missing	distinct	Info	Mean	Gmd
624	0	5	0.918	2.425	1.586

Value	1	2	3	4	5
Frequency	238	125	139	2	120
Proportion	0.381	0.200	0.223	0.003	0.192

bninety : Barthel Index at 90 Days (Intent to Treat Imputation)

n	missing	distinct	Info	Mean	Gmd	.05	.10	.25	.50	.75	.90	.95
624	0	21	0.93	62.59	44.66	0	0	10	85	100	100	100

lowest :   0   5 10 15 20, highest: 80 85 90 95 100

primary__ : Primary Cause of Death

n	missing	distinct
168	456	6

Value	Cerebrovascular	Cardiovascular	Infection	Cancer	Respiratory
Frequency	54	70	36	4	1
Proportion	0.321	0.417	0.214	0.024	0.006

Value	Other
Frequency	3
Proportion	0.018

surdays : Days from randomization to death/censored

n	missing	distinct	Info	Mean	Gmd	.05	.10	.25	.50	.75	.90	.95
624	0	246	1	359.3	250.8	5.0	14.3	242.8	366.0	378.0	554.7	754.4

lowest :   0   1   2   3   4, highest: 1449 1504 1653 1968 1970

dcensor : Indicates if Patient Died during Trial Follow-Up(Yes=dead)

n	missing	distinct
624	0	2

Value	FALSE	TRUE
Frequency	456	168
Proportion	0.731	0.269

bather : History of Atherosclerosis at Baseline

n	missing	distinct
537	87	2

Value	FALSE	TRUE
Frequency	367	170
Proportion	0.683	0.317

psys : Admission Systolic BP

n	missing	distinct	Info	Mean	Gmd	.05	.10	.25	.50	.75	.90	.95
624	0	109	0.999	158.9	30.73	120	124	140	158	178	195	210

lowest : 90 96 100 102 104, highest: 230 234 240 244 254

pdia : Admission Diastolic BP

n	missing	distinct	Info	Mean	Gmd	.05	.10	.25	.50	.75	.90	.95
623	1	75	0.996	89.24	17.34	65.1	70.0	80.0	90.0	100.0	110.0	114.9

lowest : 50 52 54 55 58, highest: 140 141 147 151 180

drink : Drink Alcoholic Beverages at Baseline

n	missing	distinct
606	18	2

Value	FALSE	TRUE
Frequency	312	294
Proportion	0.515	0.485

nihssb : NIH Stroke Scale at Baseline

n	missing	distinct	Info	Mean	Gmd	.05	.10	.25	.50	.75	.90	.95
624	0	35	0.998	14.79	8.165	5	6	9	14	20	25	27

lowest : 1 2 3 4 5, highest: 31 32 33 34 37

ostrk : Patient Reported Prior Stroke or Old Stroke on Baseline CT

```
    n   missing  distinct
  624         0         2
```

```
Value        FALSE   TRUE
Frequency      424    200
Proportion   0.679  0.321
```

cardiac : History of Other Cardiac Disease at Baseline

```
    n   missing  distinct
  624         0         2
```

```
Value        FALSE   TRUE
Frequency      324    300
Proportion   0.519  0.481
```

ctfind : Early Ischemic Stroke CT Findings(Edema or Mass Effect or Midline Shift or Intravascular Thrombus)on Baseline CT

```
    n   missing  distinct
  616         8         2
```

```
Value        FALSE   TRUE
Frequency      512    104
Proportion   0.831  0.169
```

ctfind2 : Early Ischemic Stroke CT findings(Edema or Mass Effect or Midline Shift)on Baseline CT

```
    n   missing  distinct
  616         8         2
```

```
Value        FALSE   TRUE
Frequency      581     35
Proportion   0.943  0.057
```

startmin : Time from Stroke Onset to Treatment/Randomization (Minutes)

```
    n   missing  distinct   Info   Mean    Gmd    .05    .10    .25    .50    .75    .90    .95
  623         1        94  0.992  119.7  40.63     80     84     89    105    155    175    179
```

```
lowest :  58  59  65  66  69, highest: 177 178 179 180 195
```

atemp : Admission Temperature

```
    n   missing  distinct   Info   Mean    Gmd    .05    .10    .25    .50    .75    .90    .95
  583        41        78  0.999  97.78  1.194  96.00  96.40  97.16  97.88  98.42  99.00  99.40
```

```
lowest :  92.40  94.10  94.30  94.46  94.60, highest: 100.20 100.22 101.40 101.66 102.92
```

bprob : Drinking Problem defined by Cage Questionnaire

```
    n   missing  distinct
  597        27         2
```

```
Value        FALSE   TRUE
Frequency      541     56
Proportion   0.906  0.094
```

bchol : History of Hyperlipidemia at Baseline

```
    n   missing  distinct
  516       108         2
```

```
Value        FALSE   TRUE
Frequency      375    141
Proportion   0.727  0.273
```

bhep : History of Hepatic disease at Baseline

```
    n   missing  distinct
  609        15         2
```

```
Value        FALSE   TRUE
Frequency      591     18
Proportion    0.97   0.03
```

bmal : History of Malignancy at Baseline

```
    n   missing  distinct
  608        16         2
```

```
Value        FALSE   TRUE
Frequency      549     59
Proportion   0.903  0.097
```

bhema : History of Hematological Disease at Baseline

```
       n   missing  distinct
     616        8         2
```

```
Value      FALSE  TRUE
Frequency    595    21
Proportion 0.966 0.034
```

---

bprior : Drink In Past 24 Hrs

```
       n   missing  distinct
     595       29         2
```

```
Value      FALSE  TRUE
Frequency    494   101
Proportion  0.83  0.17
```

---

tdosedel : Total Dose Delievered (mg) (based on estimated weight)

n	missing	distinct	Info	Mean	Gmd	.05	.10	.25	.50	.75	.90	.95
623	1	145	0.998	69.41	15.75	46.81	51.00	61.10	70.20	79.10	90.00	90.00

```
lowest :   3.0   5.9  10.0  11.6  14.2, highest:  88.0  89.0  90.0  94.5 100.0
```

---

heparin : Heparin Use prior Baseline Stroke

```
       n   missing  distinct
     623        1         2
```

```
Value      FALSE  TRUE
Frequency    612    11
Proportion 0.982 0.018
```

---

ppros : Prosthetic Heart Disease at Admission

```
       n   missing  distinct
     623        1         2
```

```
Value      FALSE  TRUE
Frequency    618     5
Proportion 0.992 0.008
```

---

preccb : Calcium Channel Blocker at Baseline

```
       n   missing  distinct
     623        1         2
```

```
Value      FALSE  TRUE
Frequency    468   155
Proportion 0.751 0.249
```

---

pulsebp : Baseline Pulse Pressure

n	missing	distinct	Info	Mean	Gmd	.05	.10	.25	.50	.75	.90	.95
603	21	89	0.999	67.91	21.22	39.1	44.0	55.0	68.0	80.0	92.0	100.0

```
lowest :  24  25  26  27  28, highest: 115 116 120 123 146
```

---

apulsebp : Admission Pulse Pressure

n	missing	distinct	Info	Mean	Gmd	.05	.10	.25	.50	.75	.90	.95
622	2	102	0.999	69.69	25.61	38.00	44.00	52.00	68.00	83.75	100.00	110.00

```
lowest :   9  10  18  22  24, highest: 138 145 148 155 160
```

---

heminfar : Hemorrhagic Infarctions during Trial

```
       n   missing  distinct
      68      556         2
```

```
Value      FALSE  TRUE
Frequency     16    52
Proportion 0.235 0.765
```

---

intrama : Intracerebral Hematomas during Trial

```
       n   missing  distinct
      68      556         2
```

```
Value      FALSE  TRUE
Frequency     45    23
Proportion 0.662 0.338
```

---

type1hem : Hemorrhage (Symp. or Asymp.) during Trial

```
       n   missing  distinct
     624         0         2
```

```
Value         FALSE   TRUE
Frequency       556     68
Proportion    0.891  0.109
```

hemmins : Time from Randomization to Hemrrohage(Minutes)

```
       n   missing  distinct      Info      Mean       Gmd       .05       .10       .25       .50
      68       556        66         1     16721     28447     214.6     317.5     934.8    1433.0
     .75       .90       .95
  9322.8   21781.5  114953.6
```

```
lowest :    120    145    181    277    295, highest:  92381 127108 130410 213006 277619
```

flike : Likeliest Clinical Classification of Ischemic Stroke Based on Post Treatment Data (could be influenced by treatment)

```
       n   missing  distinct
     615         9         7
```

Small Vessel Occlusive Disease (61, 0.099), Cardioembolic Stroke (241, 0.392), Large Vessel
Atherosclerosis (125, 0.203), Tandem Lesion Stroke (5, 0.008), Stroke with Normal Arteries (9,
0.015), Other Identified Cause (22, 0.036), Unknown Cause (152, 0.247)

oldvol : Old Lesion Volume at Baseline(missing set to zero if patient had baseline CT)

```
       n   missing  distinct      Info      Mean       Gmd       .05       .10       .25       .50
     616         8       161     0.618     2.068     3.779    0.0000    0.0000    0.0000    0.0000
     .75       .90       .95
  0.2225    4.3750   12.3950
```

```
lowest :   0.00   0.02   0.03   0.05   0.06, highest: 48.57 51.53 54.40 60.33 79.62
```

int3mles : 3 month Lesion Volume(Intent to Treat)

```
       n   missing  distinct      Info      Mean       Gmd       .05       .10       .25       .50
     616         8       545     0.999      64.9     88.72     0.000     0.250     2.688    19.180
     .75       .90       .95
  93.770   182.725   274.190
```

```
lowest :   0.00   0.11   0.14   0.17   0.17, highest: 475.95 476.79 518.08 575.29 594.03
```

hypersgn : Hyperdense Artery Sign on Baseline CT(reviewed with clinical information)

```
       n   missing  distinct
     616         8         2
```

```
Value         FALSE   TRUE
Frequency       525     91
Proportion    0.852  0.148
```

lossgrwt : Loss of Gray-White Matter Distinction (GWMD) on Baseline CT(reviewed with clinical information)

```
       n   missing  distinct
     616         8         2
```

```
Value         FALSE   TRUE
Frequency       452    164
Proportion    0.734  0.266
```

mca33 : Loss of GWMD over 33% of MCA on Baseline CT(reviewed with clinical information)

```
       n   missing  distinct
     616         8         2
```

```
Value         FALSE   TRUE
Frequency       539     77
Proportion    0.875  0.125
```

hypodens : Presence of Hypodensity on Baseline CT(reviewed with clinical information)

```
       n   missing  distinct
     616         8         2
```

```
Value         FALSE   TRUE
Frequency       562     54
Proportion    0.912  0.088
```

hyp33 : Hypodensity over 33% of MCA on Baseline CT(reviewed with clinical information)

```
       n   missing   distinct
     616         8          2

Value        FALSE   TRUE
Frequency      602     14
Proportion   0.977  0.023
```

csfcomp : Compression of CSF Space on Baseline CT(reviewed with clinical information)

```
       n   missing   distinct
     616         8          2

Value        FALSE   TRUE
Frequency      527     89
Proportion   0.856  0.144
```

csf33 : Compression of CSF over 33% of MCA on Baseline CT(reviewed with clinical information)

```
       n   missing   distinct
     616         8          2

Value        FALSE   TRUE
Frequency      562     54
Proportion   0.912  0.088
```

earlyctf : Early CT Findings(excluding hyperdense artery sign(also called intravascular thrombus))on Baseline CT(reviewed with clinical information)

```
       n   missing   distinct
     616         8          2

Value        FALSE   TRUE
Frequency      422    194
Proportion   0.685  0.315
```

early33 : Early CT Findings over 33% of MCA on Baseline CT(reviewed with clinical information)

```
       n   missing   distinct
     616         8          2

Value        FALSE   TRUE
Frequency      532     84
Proportion   0.864  0.136
```

onsetct : Time from stroke onset to CT scan at baseline (minutes)

```
       n   missing   distinct   Info    Mean    Gmd     .05     .10     .25     .50     .75     .90     .95
     616         8        138      1   83.92   42.56    35.0    46.0    59.0    75.0   104.0   129.0   139.2

Value              0      20      40      60      80     100     120     140     160     180     420    1440
Frequency          8      12      78     159     155      79      72      30      19       1       2       1
Proportion     0.013   0.019   0.127   0.258   0.252   0.128   0.117   0.049   0.031   0.002   0.003   0.002
```

phygive : % of Correct Dose Administered (based on actual weight)

```
       n   missing   distinct    Info    Mean    Gmd      .05      .10      .25      .50      .75      .90      .95
     624         0        469   0.999   100.8   9.518    89.44    93.43    98.91   100.12   103.38   110.25   116.39

lowest :     5.610687  10.023785  15.325670  17.395000  19.073826
highest: 132.708333 135.984496 136.111111 151.975684 159.782609
```

ctmidshf : Midline Shift on Baseline CT

```
       n   missing   distinct
     616         8          2

Value        FALSE   TRUE
Frequency      615      1
Proportion   0.998  0.002
```

cthyper : Hyperdense Ischemic Infarct on Baseline CT

```
       n   missing   distinct
     616         8          2

Value        FALSE   TRUE
Frequency      615      1
Proportion   0.998  0.002
```

ctthrom : Intravascular Thrombus on Baseline CT

```
   n   missing   distinct
 616       8         2
```

```
Value        FALSE  TRUE
Frequency      536    80
Proportion    0.87  0.13
```

findings : Early CT Findings(Edema or Mass Effect or Midline Shift or Hyperdense Ischemic Infarct or Intravascular Thrombus)

```
   n   missing   distinct
 616       8         2
```

```
Value        FALSE  TRUE
Frequency      512   104
Proportion   0.831 0.169
```

abnormal : Abnormal Baseline CT(Variable FINDINGS is Yes or Old Lesion at Baseline)

```
   n   missing   distinct
 616       8         2
```

```
Value        FALSE  TRUE
Frequency      362   254
Proportion   0.588 0.412
```

ovolint : Old Lesion Volume at Baseline with Missing Set to Zero

```
      n  missing distinct    Info    Mean     Gmd     .05     .10     .25     .50
    624        0      161   0.612   2.042   3.735  0.0000  0.0000  0.0000  0.0000
    .75      .90      .95
 0.1825   4.2280  12.2665
```

```
lowest :  0.00  0.02  0.03  0.05  0.06, highest: 48.57 51.53 54.40 60.33 79.62
```

hdchg : The Place to Which Patient was Discharged after Initial Hospitalization

```
   n   missing   distinct
 624       0         6
```

```
Value              Home Relative/Friend       Rehab  Nursing Home        Death
Frequency           242             21         206            61           75
Proportion        0.388          0.034       0.330         0.098        0.120
```

```
Value             Other
Frequency            19
Proportion        0.030
```

los : Length of Hospital Stay from Admission to Discharge (Days)

```
   n   missing   distinct    Info    Mean     Gmd     .05     .10     .25     .50     .75     .90     .95
 623        1        53   0.996   11.64   9.493     3.0     4.0     6.0     8.0    13.0    22.8    30.0
```

```
lowest :  0  1  2  3  4, highest: 66 68 69 82 88
```

ppulse : Admission Pulse Rate

```
   n   missing   distinct    Info    Mean     Gmd     .05     .10     .25     .50     .75     .90     .95
 621        3        83   0.999   84.93   19.48      60      64      73      83      92     108     120
```

```
lowest :  48  50  51  52  54, highest: 146 150 151 153 170
```

ctemp : Baseline Temperature

```
   n   missing   distinct    Info    Mean     Gmd     .05     .10     .25     .50     .75     .90     .95
 501      123        86   0.999    85.5   20.43    36.1    36.7    95.9    97.5    98.3    99.0    99.3
```

```
lowest : 34.7 34.9 35.3 35.4 35.5, highest:  99.9 100.0 100.2 100.6 101.4
```

lwbc : WBC at Baseline (/mm3)

```
   n   missing   distinct    Info    Mean     Gmd     .05     .10     .25     .50     .75     .90     .95
 622        2       125       1    8776    3358    4900    5310    6700    8250   10100   12500   14095
```

```
lowest :  3500  3800  4000  4100  4200, highest: 19700 23600 24400 26800 66900
```

lhct : HCT at Baseline (%)

```
   n   missing   distinct    Info    Mean     Gmd     .05     .10     .25     .50     .75     .90     .95
 623        1       190       1   41.53   5.392   34.00   35.60   38.50   41.60   44.80   47.30   49.39
```

```
lowest : 24.3 25.1 26.2 26.5 26.7, highest: 52.0 54.6 54.8 55.7 56.3
```

lna : Serum Na at Baseline (mEq/L)

n	missing	distinct	Info	Mean	Gmd	.05	.10	.25	.50	.75	.90	.95
622	2	25	0.99	139	3.571	133	135	137	139	141	143	144

lowest : 127 128 129 130 131, highest: 146 147 148 150 151

lk : Serum K at Baseline (mEq/L)

n	missing	distinct	Info	Mean	Gmd	.05	.10	.25	.50	.75	.90	.95
621	3	43	0.996	4.187	0.6769	3.3	3.5	3.8	4.1	4.5	4.9	5.3

lowest : 2.5 2.8 2.9 3.0 3.1, highest: 6.9 7.0 7.5 8.2 8.8

lbun : Serum BUN at Baseline (mg/dL)

n	missing	distinct	Info	Mean	Gmd	.05	.10	.25	.50	.75	.90	.95
615	9	58	0.997	18.54	8.432	9.00	11.00	13.00	17.00	21.85	27.00	31.30

lowest : 3.0 5.0 6.0 7.0 8.0, highest: 55.1 59.0 73.0 80.0 89.0

lcr : Serum Creatinine at Baseline (mg/L)

n	missing	distinct	Info	Mean	Gmd	.05	.10	.25	.50	.75	.90	.95
621	3	29	0.988	1.198	0.4427	0.7	0.8	0.9	1.1	1.3	1.6	1.8

lowest : 0.5 0.6 0.7 0.8 0.9, highest: 4.2 4.5 5.5 8.0 8.7

ltbil : Total Bilirubin at Baseline (mg/L)

n	missing	distinct	Info	Mean	Gmd	.05	.10	.25	.50	.75	.90	.95
561	63	45	0.985	0.6817	0.3695	0.30	0.38	0.50	0.60	0.80	1.10	1.30

lowest : 0.00 0.06 0.09 0.10 0.20, highest: 2.00 2.30 2.40 3.10 8.00

newstrk : New Ischemic Stroke (Reviewed at Coordinating Center)

n	missing	distinct
624	0	2

```
Value      FALSE   TRUE
Frequency    590     34
Proportion 0.946  0.054
```

ttrtnewstrk : Time from Treatment/Randomization to New Ischemic Stroke (Days)

n	missing	distinct	Info	Mean	Gmd	.05	.10	.25	.50	.75	.90	.95
34	590	30	0.999	62.21	76.69	1.0	2.3	7.5	17.5	97.0	142.1	192.0

lowest : 0 1 2 3 5, highest: 140 143 185 205 327

ect : Indicates if Baseline CT was of Sufficient Quality to Be Reviewed(Yes=reviewed)

n	missing	distinct
624	0	2

```
Value      FALSE   TRUE
Frequency      8    616
Proportion 0.013  0.987
```

tonsetadmission : Time from Stroke Onset to Admission(Seconds)

n	missing	distinct	Info	Mean	Gmd	.05	.10	.25	.50	.75	.90	.95
623	1	113	0.999	3162	2244	600	900	1800	2700	3960	5700	6600

```
Value      -3000 -2000     0  1000  2000  3000  4000  5000  6000  7000  8000  9000 10000 83000
Frequency      1     1    29    87   148   152    81    56    32    25     7     2     1     1
Proportion 0.002 0.002 0.047 0.140 0.238 0.244 0.130 0.090 0.051 0.040 0.011 0.003 0.002 0.002
```

tadmissiontrt : Time from Admission to Treatment/Randomization(Seconds)

n	missing	distinct	Info	Mean	Gmd	.05	.10	.25	.50	.75	.90	.95
623	1	115	1	4153	1770	1926	2400	3060	3840	5100	6300	7200

lowest :   480 1080 1140 1200 1260, highest: 9000 9300 10020 10200 10500

sconscio_base : Level of Consciousness at baseline

n	missing	distinct	Info	Mean	Gmd
624	0	4	0.656	0.367	0.5351

```
Value          0     1     2     3
Frequency    429   166    24     5
Proportion 0.688 0.266 0.038 0.008
```

slocqu_base : LOC Questions at baseline

n	missing	distinct	Info	Mean	Gmd
624	0	3	0.835	0.9311	0.9774

```
Value         0     1     2
Frequency   290    87   247
Proportion 0.465 0.139 0.396
```

sloccom_base : LOC Commands at baseline

n	missing	distinct	Info	Mean	Gmd
624	0	3	0.642	0.4792	0.7177

```
Value         0     1     2
Frequency   440    69   115
Proportion 0.705 0.111 0.184
```

sgaze_base : Best Gaze at baseline

n	missing	distinct	Info	Mean	Gmd
624	0	3	0.846	0.7051	0.7967

```
Value         0     1     2
Frequency   297   214   113
Proportion 0.476 0.343 0.181
```

svisual_base : Visual at baseline

n	missing	distinct	Info	Mean	Gmd
624	0	4	0.846	1.029	1.014

```
Value         0     1     2     3
Frequency   265    86   263    10
Proportion 0.425 0.138 0.421 0.016
```

spalsy_base : Facial Palsy at baseline

n	missing	distinct	Info	Mean	Gmd
624	0	4	0.781	1.595	0.708

```
Value         0     1     2     3
Frequency    50   183   361    30
Proportion 0.080 0.293 0.579 0.048
```

smotorla_base : Motor Left Arm at baseline

n	missing	distinct	Info	Mean	Gmd
624	0	5	0.86	1.373	1.722

```
Value         0     1     2     3     4
Frequency   313    88    34    55   134
Proportion 0.502 0.141 0.054 0.088 0.215
```

smotorra_base : Motor Right Arm at baseline

n	missing	distinct	Info	Mean	Gmd
624	0	5	0.847	1.348	1.715

```
Value         0     1     2     3     4
Frequency   324    77    40    48   135
Proportion 0.519 0.123 0.064 0.077 0.216
```

smotorll_base : Motor Left Leg at baseline

n	missing	distinct	Info	Mean	Gmd
624	0	5	0.892	1.322	1.595

```
Value         0     1     2     3     4
Frequency   287   100    70    83    84
Proportion 0.460 0.160 0.112 0.133 0.135
```

smotorrl_base : Motor Right Leg at baseline

n	missing	distinct	Info	Mean	Gmd
624	0	5	0.868	1.279	1.617

```
Value         0     1     2     3     4
Frequency   310    97    50    67   100
Proportion 0.497 0.155 0.080 0.107 0.160
```

sataxia_base : ATAXIA score at baseline

n	missing	distinct	Info	Mean	Gmd
624	0	3	0.193	0.1138	0.2144

```
Value         0     1     2
Frequency   581    15    28
Proportion 0.931 0.024 0.045
```

ssensory__base : Sensory at baseline

n	missing	distinct	Info	Mean	Gmd
624	0	3	0.878	0.9423	0.8297

Value	0	1	2
Frequency	202	256	166
Proportion	0.324	0.410	0.266

slang__base : Best Language at baseline

n	missing	distinct	Info	Mean	Gmd
624	0	4	0.871	1.178	1.351

Value	0	1	2	3
Frequency	298	66	111	149
Proportion	0.478	0.106	0.178	0.239

sdysar__base : Dysarthria at baseline

n	missing	distinct	Info	Mean	Gmd
624	0	3	0.85	1.205	0.7578

Value	0	1	2
Frequency	108	280	236
Proportion	0.173	0.449	0.378

sextin__base : Extinction And Inattention at baseline

n	missing	distinct	Info	Mean	Gmd
624	0	3	0.873	0.9183	0.9363

Value	0	1	2
Frequency	262	151	211
Proportion	0.420	0.242	0.338

sconscio__hr2 : Level of Consciousness at 2 hours post treatment(missing imputed)

n	missing	distinct	Info	Mean	Gmd
624	0	4	0.637	0.359	0.5375

Value	0	1	2	3
Frequency	439	153	25	7
Proportion	0.704	0.245	0.040	0.011

slocqu__hr2 : LOC Questions at 2 hours post treatment(missing imputed)

n	missing	distinct	Info	Mean	Gmd
624	0	3	0.812	0.8381	0.9601

Value	0	1	2
Frequency	324	77	223
Proportion	0.519	0.123	0.357

sloccom__hr2 : LOC Commands at 2 hours post treatment(missing imputed)

n	missing	distinct	Info	Mean	Gmd
624	0	3	0.597	0.4103	0.6392

Value	0	1	2
Frequency	459	74	91
Proportion	0.736	0.119	0.146

sgaze__hr2 : Best Gaze at 2 hours post treatment(missing imputed)

n	missing	distinct	Info	Mean	Gmd
624	0	3	0.799	0.5849	0.7332

Value	0	1	2
Frequency	345	193	86
Proportion	0.553	0.309	0.138

svisual__hr2 : Visual at 2 hours post treatment(missing imputed)

n	missing	distinct	Info	Mean	Gmd
624	0	4	0.845	0.9103	1.001

Value	0	1	2	3
Frequency	297	97	219	11
Proportion	0.476	0.155	0.351	0.018

spalsy_hr2 : Facial Palsy at 2 hours post treatment(missing imputed)

```
     n  missing  distinct    Info    Mean      Gmd
   624        0         4    0.85   1.402   0.8168

Value          0     1     2     3
Frequency     89   218   294    23
Proportion 0.143 0.349 0.471 0.037
```

smotorla_hr2 : Motor Left Arm at 2 hours post treatment(missing imputed)

```
     n  missing  distinct    Info    Mean      Gmd
   624        0         5   0.801   1.151    1.574

Value          0     1     2     3     4
Frequency    360    71    39    47   107
Proportion 0.577 0.114 0.062 0.075 0.171
```

smotorra_hr2 : Motor Right Arm at 2 hours post treatment(missing imputed)

```
     n  missing  distinct    Info    Mean      Gmd
   624        0         5   0.827   1.197    1.602

Value          0     1     2     3     4
Frequency    341    93    30    46   114
Proportion 0.546 0.149 0.048 0.074 0.183
```

smotorll_hr2 : Motor Left Leg at 2 hours post treatment(missing imputed)

```
     n  missing  distinct    Info    Mean      Gmd
   624        0         5   0.819   1.032    1.401

Value          0     1     2     3     4
Frequency    349    91    53    77    54
Proportion 0.559 0.146 0.085 0.123 0.087
```

smotorrl_hr2 : Motor Right Leg at 2 hours post treatment(missing imputed)

```
     n  missing  distinct    Info    Mean      Gmd
   624        0         5   0.818   1.054    1.445

Value          0     1     2     3     4
Frequency    349   100    41    60    74
Proportion 0.559 0.160 0.066 0.096 0.119
```

sataxia_hr2 : ATAXIA score at 2 hours post treatment(missing imputed)

```
     n  missing  distinct    Info      Mean      Gmd
   624        0         3   0.189   0.08814   0.1666

Value          0     1     2
Frequency    582    29    13
Proportion 0.933 0.046 0.021
```

ssensory_hr2 : Sensory at 2 hours post treatment(missing imputed)

```
     n  missing  distinct    Info    Mean      Gmd
   624        0         3   0.872   0.8429   0.8238

Value          0     1     2
Frequency    239   244   141
Proportion 0.383 0.391 0.226
```

slang_hr2 : Best Language at 2 hours post treatment(missing imputed)

```
     n  missing  distinct    Info    Mean      Gmd
   624        0         4   0.856   1.082    1.303

Value          0     1     2     3
Frequency    315    74   104   131
Proportion 0.505 0.119 0.167 0.210
```

sdysar_hr2 : Dysarthria at 2 hours post treatment(missing imputed)

```
     n  missing  distinct    Info    Mean      Gmd
   624        0         3   0.866   1.045    0.795

Value          0     1     2
Frequency    157   282   185
Proportion 0.252 0.452 0.296
```

sextin__hr2 : Extinction And Inattention at 2 hours post treatment(missing imputed)

n	missing	distinct	Info	Mean	Gmd
624	0	3	0.86	0.8109	0.9016

```
Value         0     1     2
Frequency   292   158   174
Proportion 0.468 0.253 0.279
```

sconscio__hr24 : Level of Consciousness at 24 hours post stroke onset(missing imputed)

n	missing	distinct	Info	Mean	Gmd
624	0	4	0.702	0.5032	0.7414

```
Value         0     1     2     3
Frequency   412   132    58    22
Proportion 0.660 0.212 0.093 0.035
```

slocqu__hr24 : LOC Questions at 24 hours post stroke onset(missing imputed)

n	missing	distinct	Info	Mean	Gmd
624	0	3	0.818	0.8478	0.9615

```
Value         0     1     2
Frequency   319    81   224
Proportion 0.511 0.130 0.359
```

sloccom__hr24 : LOC Commands at 24 hours post stroke onset(missing imputed)

n	missing	distinct	Info	Mean	Gmd
624	0	3	0.595	0.399	0.6238

```
Value         0     1     2
Frequency   460    79    85
Proportion 0.737 0.127 0.136
```

sgaze__hr24 : Best Gaze at 24 hours post stroke onset(missing imputed)

n	missing	distinct	Info	Mean	Gmd
624	0	3	0.703	0.4311	0.6074

```
Value         0     1     2
Frequency   407   165    52
Proportion 0.652 0.264 0.083
```

svisual__hr24 : Visual at 24 hours post stroke onset(missing imputed)

n	missing	distinct	Info	Mean	Gmd
624	0	4	0.814	0.8285	1.017

```
Value         0     1     2     3
Frequency   338    80   181    25
Proportion 0.542 0.128 0.290 0.040
```

spalsy__hr24 : Facial Palsy at 24 hours post stroke onset(missing imputed)

n	missing	distinct	Info	Mean	Gmd
624	0	4	0.885	1.316	0.9066

```
Value         0     1     2     3
Frequency   116   231   241    36
Proportion 0.186 0.370 0.386 0.058
```

smotorla__hr24 : Motor Left Arm at 24 hours post stroke onset(missing imputed)

n	missing	distinct	Info	Mean	Gmd
624	0	5	0.775	1.141	1.588

```
Value         0     1     2     3     4
Frequency   375    62    31    36   120
Proportion 0.601 0.099 0.050 0.058 0.192
```

smotorra__hr24 : Motor Right Arm at 24 hours post stroke onset(missing imputed)

n	missing	distinct	Info	Mean	Gmd
624	0	5	0.791	1.223	1.655

```
Value         0     1     2     3     4
Frequency   364    60    28    41   131
Proportion 0.583 0.096 0.045 0.066 0.210
```

smotorll__hr24 : Motor Left Leg at 24 hours post stroke onset(missing imputed)

n	missing	distinct	Info	Mean	Gmd
624	0	5	0.805	1.072	1.474

Value	0	1	2	3	4
Frequency	358	83	38	70	75
Proportion	0.574	0.133	0.061	0.112	0.120

smotorrl__hr24 : Motor Right Leg at 24 hours post stroke onset(missing imputed)

n	missing	distinct	Info	Mean	Gmd
624	0	5	0.811	1.13	1.54

Value	0	1	2	3	4
Frequency	354	83	32	62	93
Proportion	0.567	0.133	0.051	0.099	0.149

sataxia__hr24 : ATAXIA score at 24 hours post stroke onset(missing imputed)

n	missing	distinct	Info	Mean	Gmd
624	0	3	0.197	0.09455	0.1783

Value	0	1	2
Frequency	580	29	15
Proportion	0.929	0.046	0.024

ssensory__hr24 : Sensory at 24 hours post stroke onset(missing imputed)

n	missing	distinct	Info	Mean	Gmd
624	0	3	0.854	0.7452	0.7822

Value	0	1	2
Frequency	269	245	110
Proportion	0.431	0.393	0.176

slang__hr24 : Best Language at 24 hours post stroke onset(missing imputed)

n	missing	distinct	Info	Mean	Gmd
624	0	4	0.859	1.09	1.307

Value	0	1	2	3
Frequency	312	77	102	133
Proportion	0.500	0.123	0.163	0.213

sdysar__hr24 : Dysarthria at 24 hours post stroke onset(missing imputed)

n	missing	distinct	Info	Mean	Gmd
624	0	3	0.88	0.891	0.844

Value	0	1	2
Frequency	227	238	159
Proportion	0.364	0.381	0.255

sextin__hr24 : Extinction And Inattention at 24 hours post stroke onset(missing imputed)

n	missing	distinct	Info	Mean	Gmd
624	0	3	0.827	0.6651	0.8031

Value	0	1	2
Frequency	325	183	116
Proportion	0.521	0.293	0.186

sconscio__day710 : Level of Consciousness at 7-10 days post stroke onset(missing imputed)

n	missing	distinct	Info	Mean	Gmd
624	0	4	0.531	0.4936	0.8141

Value	0	1	2	3
Frequency	484	45	22	73
Proportion	0.776	0.072	0.035	0.117

slocqu__day710 : LOC Questions at 7-10 days post stroke onset(missing imputed)

n	missing	distinct	Info	Mean	Gmd
624	0	3	0.797	0.7901	0.9438

Value	0	1	2
Frequency	341	73	210
Proportion	0.546	0.117	0.337

sloccom_day710 : LOC Commands at 7-10 days post stroke onset(missing imputed)

n	missing	distinct	Info	Mean	Gmd
624	0	3	0.585	0.4439	0.6867

```
Value           0     1     2
Frequency     463    45   116
Proportion  0.742 0.072 0.186
```

sgaze_day710 : Best Gaze at 7-10 days post stroke onset(missing imputed)

n	missing	distinct	Info	Mean	Gmd
624	0	3	0.592	0.3782	0.5935

```
Value           0     1     2
Frequency     461    90    73
Proportion  0.739 0.144 0.117
```

svisual_day710 : Visual at 7-10 days post stroke onset(missing imputed)

n	missing	distinct	Info	Mean	Gmd
624	0	4	0.763	0.7772	1.074

```
Value           0     1     2     3
Frequency     382    67   107    68
Proportion  0.612 0.107 0.171 0.109
```

spalsy_day710 : Facial Palsy at 7-10 days post stroke onset(missing imputed)

n	missing	distinct	Info	Mean	Gmd
624	0	4	0.922	1.2	1.12

```
Value           0     1     2     3
Frequency     193   190   164    77
Proportion  0.309 0.304 0.263 0.123
```

smotorla_day710 : Motor Left Arm at 7-10 days post stroke onset(missing imputed)

n	missing	distinct	Info	Mean	Gmd
624	0	5	0.762	1.263	1.71

```
Value           0     1     2     3     4
Frequency     377    48    17    22   160
Proportion  0.604 0.077 0.027 0.035 0.256
```

smotorra_day710 : Motor Right Arm at 7-10 days post stroke onset(missing imputed)

n	missing	distinct	Info	Mean	Gmd
624	0	5	0.757	1.296	1.738

```
Value           0     1     2     3     4
Frequency     379    38    15    27   165
Proportion  0.607 0.061 0.024 0.043 0.264
```

smotorll_day710 : Motor Left Leg at 7-10 days post stroke onset(missing imputed)

n	missing	distinct	Info	Mean	Gmd
624	0	5	0.779	1.205	1.645

```
Value           0     1     2     3     4
Frequency     372    52    27    46   127
Proportion  0.596 0.083 0.043 0.074 0.204
```

smotorrl_day710 : Motor Right Leg at 7-10 days post stroke onset(missing imputed)

n	missing	distinct	Info	Mean	Gmd
624	0	5	0.797	1.231	1.655

```
Value           0     1     2     3     4
Frequency     361    59    26    55   123
Proportion  0.579 0.095 0.042 0.088 0.197
```

sataxia_day710 : ATAXIA score at 7-10 days post stroke onset(missing imputed)

n	missing	distinct	Info	Mean	Gmd
624	0	3	0.332	0.2372	0.4185

```
Value           0     1     2
Frequency     545    10    69
Proportion  0.873 0.016 0.111
```

ssensory__day710 : Sensory at 7-10 days post stroke onset(missing imputed)

n	missing	distinct	Info	Mean	Gmd
624	0	3	0.842	0.7051	0.8236

```
Value         0     1     2
Frequency   310   188   126
Proportion 0.497 0.301 0.202
```

slang__day710 : Best Language at 7-10 days post stroke onset(missing imputed)

n	missing	distinct	Info	Mean	Gmd
624	0	4	0.839	1.056	1.311

```
Value         0     1     2     3
Frequency   328    77    75   144
Proportion 0.526 0.123 0.120 0.231
```

sdysar__day710 : Dysarthria at 7-10 days post stroke onset(missing imputed)

n	missing	distinct	Info	Mean	Gmd
624	0	3	0.861	0.8077	0.8954

```
Value         0     1     2
Frequency   290   164   170
Proportion 0.465 0.263 0.272
```

sextin__day710 : Extinction And Inattention at 7-10 days post stroke onset(missing imputed)

n	missing	distinct	Info	Mean	Gmd
624	0	3	0.793	0.6314	0.8151

```
Value         0     1     2
Frequency   357   140   127
Proportion 0.572 0.224 0.204
```

sconscio__m3 : Level of Consciousness at 3 months post stroke onset(missing imputed)

n	missing	distinct	Info	Mean	Gmd
624	0	4	0.514	0.6154	0.9793

```
Value         0     1     2     3
Frequency   488    10     4   122
Proportion 0.782 0.016 0.006 0.196
```

slocqu__m3 : LOC Questions at 3 months post stroke onset(missing imputed)

n	missing	distinct	Info	Mean	Gmd
624	0	3	0.79	0.7933	0.9479

```
Value         0     1     2
Frequency   344    65   215
Proportion 0.551 0.104 0.345
```

sloccom__m3 : LOC Commands at 3 months post stroke onset(missing imputed)

n	missing	distinct	Info	Mean	Gmd
624	0	3	0.596	0.5064	0.7566

```
Value         0     1     2
Frequency   456    20   148
Proportion 0.731 0.032 0.237
```

sgaze__m3 : Best Gaze at 3 months post stroke onset(missing imputed)

n	missing	distinct	Info	Mean	Gmd
624	0	3	0.554	0.4375	0.6828

```
Value         0     1     2
Frequency   474    27   123
Proportion 0.760 0.043 0.197
```

svisual__m3 : Visual at 3 months post stroke onset(missing imputed)

n	missing	distinct	Info	Mean	Gmd
624	0	4	0.722	0.8317	1.179

```
Value         0     1     2     3
Frequency   403    46    52   123
Proportion 0.646 0.074 0.083 0.197
```

spalsy_m3 : Facial Palsy at 3 months post stroke onset(missing imputed)

```
       n    missing   distinct      Info      Mean       Gmd
     624          0          4     0.904     1.123     1.211

Value            0      1      2      3
Frequency      235    201     64    124
Proportion   0.377  0.322  0.103  0.199
```

---

smotorla_m3 : Motor Left Arm at 3 months post stroke onset(missing imputed)

```
       n    missing   distinct      Info      Mean       Gmd
     624          0          5     0.748       1.3     1.745

Value            0      1      2      3      4
Frequency      383     37      9     24    171
Proportion   0.614  0.059  0.014  0.038  0.274
```

---

smotorra_m3 : Motor Right Arm at 3 months post stroke onset(missing imputed)

```
       n    missing   distinct      Info      Mean       Gmd
     624          0          5     0.739      1.29     1.739

Value            0      1      2      3      4
Frequency      388     31     11     24    170
Proportion   0.622  0.050  0.018  0.038  0.272
```

---

smotorll_m3 : Motor Left Leg at 3 months post stroke onset(missing imputed)

```
       n    missing   distinct      Info      Mean       Gmd
     624          0          5     0.764     1.176     1.632

Value            0      1      2      3      4
Frequency      379     58     24     24    139
Proportion   0.607  0.093  0.038  0.038  0.223
```

---

smotorrl_m3 : Motor Right Leg at 3 months post stroke onset(missing imputed)

```
       n    missing   distinct      Info      Mean       Gmd
     624          0          5     0.749     1.191      1.65

Value            0      1      2      3      4
Frequency      387     44     22     29    142
Proportion   0.620  0.071  0.035  0.046  0.228
```

---

sataxia_m3 : ATAXIA score at 3 months post stroke onset(missing imputed)

```
       n    missing   distinct      Info      Mean       Gmd
     624          0          3     0.576    0.4696    0.7182

Value            0      1      2
Frequency      465     25    134
Proportion   0.745  0.040  0.215
```

---

ssensory_m3 : Sensory at 3 months post stroke onset(missing imputed)

```
       n    missing   distinct      Info      Mean       Gmd
     624          0          3     0.848    0.7484    0.8665

Value            0      1      2
Frequency      307    167    150
Proportion   0.492  0.268  0.240
```

---

slang_m3 : Best Language at 3 months post stroke onset(missing imputed)

```
       n    missing   distinct      Info      Mean       Gmd
     624          0          4     0.814     1.005     1.294

Value            0      1      2      3
Frequency      346     75     57    146
Proportion   0.554  0.120  0.091  0.234
```

---

sdysar_m3 : Dysarthria at 3 months post stroke onset(missing imputed)

```
       n    missing   distinct      Info      Mean       Gmd
     624          0          3     0.808    0.7067     0.879

Value            0      1      2
Frequency      344    119    161
Proportion   0.551  0.191  0.258
```

---

sextin__m3 : Extinction And Inattention at 3 months post stroke onset(missing imputed)

n	missing	distinct	Info	Mean	Gmd
624	0	3	0.777	0.6538	0.8527

```
Value          0     1     2
Frequency    367   106   151
Proportion 0.588 0.170 0.242
```

hour2 : NIH Stroke Scale at 2 Hours (missing = Alive w/o data)

n	missing	distinct	Info	Mean	Gmd	.05	.10	.25	.50	.75	.90	.95
623	1	37	0.998	12.76	9.253	1.1	3.0	6.0	12.0	18.0	24.0	28.0

```
lowest :  0  1  2  3  4, highest: 32 33 34 36 38
```

hour24 : NIH Stroke Scale at 24 Hours (missing = Alive w/o data)

n	missing	distinct	Info	Mean	Gmd	.05	.10	.25	.50	.75	.90	.95
623	1	41	0.998	12.33	10.41	0.0	1.0	4.0	11.0	19.0	25.8	28.0

```
lowest :  0  1  2  3  4, highest: 36 37 38 40 42
```

seventen : NIH Stroke Scale at 7-10 Days (missing = Alive w/o data)

n	missing	distinct	Info	Mean	Gmd	.05	.10	.25	.50	.75	.90	.95
615	9	41	0.996	12.08	13.06	0.0	0.0	2.0	8.0	18.0	32.6	42.0

```
lowest :  0  1  2  3  4, highest: 36 37 38 40 42
```

ninety : NIH Stroke Scale at 90 Days (Intent to Treat Imputation)

n	missing	distinct	Info	Mean	Gmd	.05	.10	.25	.50	.75	.90	.95
624	0	31	0.987	12.85	15.65	0	0	1	6	18	42	42

```
lowest :  0  1  2  3  4, highest: 28 29 32 38 42
```

nihhr2__raw : NIH Stroke Scale at 2 hours post treatment(missing = Death or Alive w/o data)

n	missing	distinct	Info	Mean	Gmd	.05	.10	.25	.50	.75	.90	.95
623	1	37	0.998	12.76	9.253	1.1	3.0	6.0	12.0	18.0	24.0	28.0

```
lowest :  0  1  2  3  4, highest: 32 33 34 36 38
```

nihhr24__raw : NIH Stroke Scale at 24 hours post stroke onset(missing = Death or Alive w/o data)

n	missing	distinct	Info	Mean	Gmd	.05	.10	.25	.50	.75	.90	.95
622	2	40	0.998	12.28	10.35	0	1	4	11	19	25	28

```
lowest :  0  1  2  3  4, highest: 35 36 37 38 40
```

nihday710__raw : NIH Stroke Scale at 7-10 days post stroke onset(missing = Death or Alive w/o data)

n	missing	distinct	Info	Mean	Gmd	.05	.10	.25	.50	.75	.90	.95
573	51	40	0.996	9.892	10.33	0	0	2	7	16	23	29

```
lowest :  0  1  2  3  4, highest: 35 36 37 38 40
```

nihm3__raw : NIH Stroke Scale at 3 months post stroke onset(missing = Death or Alive w/o data)

n	missing	distinct	Info	Mean	Gmd	.05	.10	.25	.50	.75	.90	.95
497	127	30	0.988	5.845	6.739	0	0	1	3	9	16	20

```
lowest :  0  1  2  3  4, highest: 27 28 29 32 38
```

hr2__imputed : =1 if one or more of NIH Stroke Scale individual items at 2 hours post treatment are imputed

n	missing	distinct	Info	Sum	Mean	Gmd
624	0	2	0.005	1	0.001603	0.003205

hr24__imputed : =1 if one or more of NIH Stroke Scale individual items at 24 hours post stroke onset are imputed

n	missing	distinct	Info	Sum	Mean	Gmd
624	0	2	0.01	2	0.003205	0.0064

day710_imputed : =1 if one or more of NIH Stroke Scale individual items at 7-10 days post stroke onset are imputed

n	missing	distinct	Info	Sum	Mean	Gmd
624	0	2	0.225	51	0.08173	0.1503

m3_imputed : =1 if one or more of NIH Stroke Scale individual items at 3 months post stroke onset are imputed

n	missing	distinct	Info	Sum	Mean	Gmd
624	0	2	0.486	127	0.2035	0.3247

nihhr2 : NIH Stroke Scale at 2 hours post treatment(missing imputed)

n	missing	distinct	Info	Mean	Gmd	.05	.10	.25	.50	.75	.90	.95
624	0	38	0.998	12.81	9.317	1.15	3.00	6.00	12.00	18.00	24.00	28.00

lowest : 0 1 2 3 4, highest: 33 34 36 38 42

nihhr24 : NIH Stroke Scale at 24 hours post stroke onset(missing imputed)

n	missing	distinct	Info	Mean	Gmd	.05	.10	.25	.50	.75	.90	.95
624	0	41	0.999	12.38	10.48	0	1	4	11	19	26	28

lowest : 0 1 2 3 4, highest: 36 37 38 40 42

nihday710 : NIH Stroke Scale at 7-10 days post stroke onset(missing imputed)

n	missing	distinct	Info	Mean	Gmd	.05	.10	.25	.50	.75	.90	.95
624	0	41	0.996	12.52	13.54	0.0	0.0	2.0	8.5	19.0	35.7	42.0

lowest : 0 1 2 3 4, highest: 36 37 38 40 42

nihm3 : NIH Stroke Scale at 3 months post stroke onset(missing imputed)

n	missing	distinct	Info	Mean	Gmd	.05	.10	.25	.50	.75	.90	.95
624	0	31	0.987	12.85	15.65	0	0	1	6	18	42	42

lowest : 0 1 2 3 4, highest: 28 29 32 38 42

bseven : Barthel Index at 7-10 Days (Intent to Treat Imputation)

n	missing	distinct	Info	Mean	Gmd	.05	.10	.25	.50	.75	.90	.95
619	5	21	0.964	49	46.61	0	0	0	45	95	100	100

lowest :   0   5 10 15 20, highest: 80 85 90 95 100

phand : Handedness

n	missing	distinct
596	28	3

Value	Left	Right	Ambidextrous
Frequency	30	558	8
Proportion	0.050	0.936	0.013

tloc : Location Hemisphere

n	missing	distinct
624	0	4

Value	Left	Right	Brainstem	Unkown
Frequency	311	274	32	7
Proportion	0.498	0.439	0.051	0.011

imp3mles : 3m lesion volume imputed

n	missing	distinct	Info	Mean	Gmd
624	0	4	0.725	0.4968	0.7017

Value	0	1	2	3
Frequency	398	149	70	7
Proportion	0.638	0.239	0.112	0.011

imp7dles : 7-10 days lesion volume imputed

n	missing	distinct	Info	Mean	Gmd
624	0	4	0.319	0.1811	0.3286

Value	0	1	2	3
Frequency	549	44	24	7
Proportion	0.880	0.071	0.038	0.011

imp24les : 24 hours lesion volume imputed

n	missing	distinct	Info	Mean	Gmd
622	2	3	0.262	0.201	0.3652

Value	0	2	3
Frequency	562	55	5
Proportion	0.904	0.088	0.008

h36cens : =1 if symptomatic/asymptomatic hemorrhage occurred within 36 hours from initiation of treatment

n	missing	distinct	Info	Sum	Mean	Gmd
623	1	2	0.193	43	0.06902	0.1287

sy36cens : =1 if symptomatic hemorrhage occurred within 36 hours from initiation of treatment

n	missing	distinct	Info	Sum	Mean	Gmd
623	1	2	0.102	22	0.03531	0.06824

baseline : NIH S.S at Baseline

n	missing	distinct	Info	Mean	Gmd	.05	.10	.25	.50	.75	.90	.95
624	0	35	0.998	14.79	8.165	5	6	9	14	20	25	27

```
lowest :  1  2  3  4  5, highest: 31 32 33 34 37
```

post36 : Antihypertensive treatment (Post-randomization)

n	missing	distinct	value
624	0	1	FALSE

Value	FALSE
Frequency	624
Proportion	1

preagtrt : Antihypertensive treatment (Pre-randomization)

n	missing	distinct	value
624	0	1	FALSE

Value	FALSE
Frequency	624
Proportion	1

event : Post Antihypertensive treatment Required based on data (Postrandomization hypertension)

n	missing	distinct	value
624	0	1	FALSE

Value	FALSE
Frequency	624
Proportion	1

lwcrt: Post randomization Diastolic blood pressure ≥90

n	missing	distinct	Info	Sum	Mean	Gmd
624	0	2	0.363	536	0.859	0.2427

bpdif : The largest Drop of mean blood pressure in 24 hrs

n	missing	distinct	Info	Mean	Gmd	.05	.10	.25	.50	.75	.90	.95
621	3	157	1	39.07	14.63	21.33	24.00	30.00	36.67	46.00	56.33	64.67

```
lowest :  13.33333  14.33333  15.33333  15.66667  16.66667
highest:  84.00000  85.00000  89.66667 112.00000 114.66667
```

bpdif1 : The largest Drop of mean blood pressure from baseline

n	missing	distinct	Info	Mean	Gmd	.05	.10	.25	.50	.75	.90	.95
588	36	168	1	25.97	15.06	6.117	9.567	16.333	24.667	34.333	42.767	50.333

```
lowest :  0.3333333  1.0000000  1.3333333  1.3333333  1.6666667
highest: 66.6666667 68.0000000 74.0000000 76.6666667 80.0000000
```

bpdifcon : The largest Concsecutive mean blood pressure drop in first 8 hrs

n	missing	distinct	Info	Mean	Gmd	.05	.10	.25	.50	.75	.90	.95
621	3	121	1	20.19	9.89	9.00	10.67	13.67	18.67	24.67	31.00	38.00

```
lowest : -2.000000  3.333333  6.000000  6.333333  6.333333
highest: 66.000000 66.666667 68.000000 76.666667 84.000000
```

maxmbp : The maximum mean blood pressure in 24 hrs

n	missing	distinct	Info	Mean	Gmd	.05	.10	.25	.50	.75	.90	.95
622	2	172	1	123.8	15.59	101.3	106.3	115.7	123.8	132.7	140.7	145.3

```
lowest :  85.33333  86.33333  86.66667  90.00000  90.33333
highest: 164.66667 165.33333 167.66667 176.66667 186.00000
```

aht : Antihypertensive medication given before/after Randomization

n	missing	distinct	value
624	0	1	FALSE

```
Value       FALSE
Frequency     624
Proportion      1
```

hnt : Hypertension before/after randomization

n	missing	distinct	Info	Sum	Mean	Gmd
624	0	2	0.705	388	0.6218	0.4711

delta24 : NIH Stroe Scale difference (baseline - 24 hours)

n	missing	distinct	Info	Mean	Gmd	.05	.10	.25	.50	.75	.90	.95
623	1	45	0.997	2.465	7.694	-9.9	-6.0	-1.0	3.0	7.0	11.0	14.0

```
lowest : -30 -29 -23 -21 -20, highest:  17  18  19  20  24
```

better24 : Scale change at 24 hours

n	missing	distinct	Info	Sum	Mean	Gmd
623	1	2	0.736	269	0.4318	0.4915

nih1: NIH Stroke Scale ≤1 at 3 90 days (Intent to Treat Imputation)

n	missing	distinct
624	0	2

```
Value       FALSE   TRUE
Frequency     454    170
Proportion  0.728  0.272
```

b95: Barthel Index ≥95 at 90 Days (Intent to Treat Imputation)

n	missing	distinct
624	0	2

```
Value       FALSE   TRUE
Frequency     343    281
Proportion   0.55   0.45
```

gos1 : Glasgow =1 at 90 Days (Intent to Treat Imputation)

n	missing	distinct	Info	Sum	Mean	Gmd
624	0	2	0.708	238	0.3814	0.4726

int7dles : 7-10 day Lesion Volume(Intent to Treat)

n	missing	distinct	Info	Mean	Gmd	.05	.10	.25	.50
624	0	540	0.999	70.52	95.34	0.000	0.000	3.112	23.485

.75	.90	.95
98.865	211.848	282.720

```
lowest :   0.00   0.01   0.07   0.14   0.16, highest: 475.95 476.79 518.08 575.29 594.03
```

int24les : 24 hours Lesion Volume (int. to treat)

n	missing	distinct	Info	Mean	Gmd	.05	.10	.25	.50	.75	.90	.95
622	2	527	0.998	56.15	76.93	0.00	0.00	2.58	18.85	74.68	173.57	239.59

```
lowest :   0.00   0.08   0.12   0.13   0.16, highest: 414.05 473.84 475.95 482.54 575.29
```

lesvol : Baseline CT Lesion Volume

n	missing	distinct	Info	Mean	Gmd	.05	.10	.25	.50
614	10	187	0.687	3.759	6.885	0.0000	0.0000	0.0000	0.0000

.75	.90	.95
0.6725	7.0420	18.5570

```
lowest :   0.00   0.02   0.03   0.05   0.06, highest:  84.02  91.06 103.91 141.19 206.39
```

edema24 : Edema on 24 hour CT

n	missing	distinct
610	14	2

```
Value       FALSE   TRUE
Frequency     206    404
Proportion  0.338  0.662
```

massef24 : Mass Effect on 24 hour CT

```
      n  missing  distinct
    610       14         2

Value       FALSE  TRUE
Frequency     249   361
Proportion  0.408 0.592
```

midshf24 : Midline Shift on 24 hour CT

```
      n  missing  distinct
    610       14         2

Value       FALSE  TRUE
Frequency     554    56
Proportion  0.908 0.092
```

hyper24 : Hyperdense Ischemic Infarct on 24 hour CT

```
      n  missing  distinct
    610       14         2

Value       FALSE  TRUE
Frequency     565    45
Proportion  0.926 0.074
```

throm24 : Intravascular Thrombus on 24 hour CT

```
      n  missing  distinct
    610       14         2

Value       FALSE  TRUE
Frequency     488   122
Proportion   0.8   0.2
```

les24 : 24 hours CT lesion volume (raw)

```
      n  missing distinct     Info    Mean     Gmd      .05      .10      .25      .50
    606       18      515    0.998   57.55   78.82    0.000    0.000    2.295   18.750
    .75      .90      .95
 79.510  176.960  244.782

lowest :   0.00   0.08   0.12   0.13   0.16, highest: 414.05 473.84 475.95 482.54 575.29
```

les710 : 7-10 days CT lesion volume (raw)

```
      n  missing distinct     Info    Mean     Gmd      .05      .10      .25      .50
    549       75      482    0.999   60.73   82.04    0.000    0.008    3.150   19.940
    .75      .90      .95
 89.060  182.156  239.460

lowest :   0.00   0.01   0.14   0.16   0.18, highest: 451.19 472.95 476.79 518.08 594.03
```

les3m : 3 month CT lesion volume (raw)

```
      n  missing  distinct     Info    Mean     Gmd     .05     .10     .25     .50     .75     .90     .95
    471      153       416    0.999   41.23   56.07    0.00    0.11    1.65   13.63   58.72  127.44  155.64

lowest :   0.000   0.070   0.110   0.140   0.170, highest: 277.490 303.275 311.100 376.120 376.470
```

dfi : All DFI

```
      n  missing  distinct    value
    624        0         1    FALSE

Value       FALSE
Frequency     624
Proportion      1
```

dficau : Cause of DFI

```
      n  missing  distinct
     81      543         4

Value       Hemorrhage      Edema Reocclusion       Other
Frequency            3          8          59          11
Proportion       0.037      0.099       0.728       0.136
```

hrdfi : Time from Treatment/Randomization to DFI (Hours)

```
      n  missing distinct     Info    Mean     Gmd      .05      .10      .25      .50
     81      543       75        1   25.59   35.26    0.750    1.333    3.000    9.517
    .75      .90      .95
 25.500   55.367  121.633

lowest :   0.08333333   0.41666667   0.66666667   0.73333333   0.75000000
highest: 121.63333333 167.83333333 172.86666667 212.35000000 218.68333333
```

dfireocc : DFI (Reocclusion)

n	missing	distinct	value
624	0	1	FALSE

```
Value       FALSE
Frequency     624
Proportion      1
```

dfiother : DFI (otherwise)

n	missing	distinct	value
622	2	1	FALSE

```
Value       FALSE
Frequency     622
Proportion      1
```

ofdp : FDP, mcg/ml

n	missing	distinct	Info	Mean	Gmd
624	0	7	0.155	10.71	3.384

```
Value           9     10     20     40     80    160    320
Frequency     590     21      6      2      2      1      2
Proportion  0.946  0.034  0.010  0.003  0.003  0.002  0.003
```

delta90 : NIH Stroe Scale difference (baseline - 90 days)

n	missing	distinct	Info	Mean	Gmd	.05	.10	.25	.50	.75	.90	.95
614	10	63	0.998	2.086	14.07	-26	-21	0	5	10	15	18

```
lowest : -39 -35 -34 -33 -32, highest:  24  25  26  27  29
```

hemint : Intetvals of Time from Randomization to Hemrrohage(Hours)

n	missing	distinct
67	557	7

```
Value          <6h   6-12h  12-24h  24-36h  36h-7d  7d-3mo    >3mo
Frequency        9       7      19       8      13      10       1
Proportion   0.134   0.104   0.284   0.119   0.194   0.149   0.015
```

minor_a: NIHSS Item <2, LOC=0

n	missing	distinct	Info	Sum	Mean	Gmd
624	0	2	0.129	28	0.04487	0.08585

minor_b : Presumed Small

n	missing	distinct	Info	Sum	Mean	Gmd
624	0	2	0.339	81	0.1298	0.2263

minor_c : No LOC, Visual, Aphasia, Hemianopia, Neglect

n	missing	distinct	Info	Sum	Mean	Gmd
624	0	2	0.626	439	0.7035	0.4178

minor_d: SS≤9 and No LOC/Visual/Aphasia/Hemianopia/Neglect

n	missing	distinct	Info	Sum	Mean	Gmd
624	0	2	0.601	173	0.2772	0.4014

minor_e: SS≤9 only

n	missing	distinct	Info	Sum	Mean	Gmd
624	0	2	0.61	177	0.2837	0.407

afeed : Barthel Index - Feeding (7-10 days post stroke onset)

n	missing	distinct	Info	Mean	Gmd
581	43	3	0.857	5.947	4.534

```
Value           0      5     10
Frequency     165    141    275
Proportion  0.284  0.243  0.473
```

amoving : Barthel Index - Moving (7-10 days post stroke onset)

n	missing	distinct	Info	Mean	Gmd
581	43	4	0.895	7.96	7.128

```
Value           0      5     10     15
Frequency     197     72     83    229
Proportion  0.339  0.124  0.143  0.394
```

atoilet : Barthel Index - Personal Toilet (7-10 days post stroke onset)

```
        n   missing  distinct     Info    Mean      Gmd
      581        43         2    0.746   2.676    2.492

Value             0     5
Frequency       270   311
Proportion    0.465 0.535
```

---

aonoff : Barthel Index - On Off Toilet (7-10 days post stroke onset)

```
        n   missing  distinct     Info    Mean      Gmd
      581        43         3    0.857   5.232    4.825

Value             0     5    10
Frequency       223   108   250
Proportion    0.384 0.186 0.430
```

---

abath : Barthel Index - Bathing (7-10 days post stroke onset)

```
        n   missing  distinct     Info    Mean      Gmd
      581        43         2    0.73   2.091    2.437

Value             0     5
Frequency       338   243
Proportion    0.582 0.418
```

---

awalk : Barthel Index - Walking (7-10 days post stroke onset)

```
        n   missing  distinct     Info    Mean      Gmd
      581        43         3    0.824   6.971    7.364

Value             0    10    15
Frequency       286    75   220
Proportion    0.492 0.129 0.379
```

---

awheel : Barthel Index - Wheelchair (7-10 days post stroke onset)

```
        n   missing  distinct     Info    Mean      Gmd
      581        43         2    0.071  0.1205   0.2356

Value             0     5
Frequency       567    14
Proportion    0.976 0.024
```

---

astairs : Barthel Index - Stairs (7-10 days post stroke onset)

```
        n   missing  distinct     Info    Mean      Gmd
      580        44         3    0.799   3.836    4.649

Value             0     5    10
Frequency       319    77   184
Proportion    0.550 0.133 0.317
```

---

adress : Barthel Index - Dressing (7-10 days post stroke onset)

```
        n   missing  distinct     Info    Mean      Gmd
      581        43         3    0.864    4.75     4.79

Value             0     5    10
Frequency       246   118   217
Proportion    0.423 0.203 0.373
```

---

abowels : Barthel Index - Bowels (7-10 days post stroke onset)

```
        n   missing  distinct     Info    Mean      Gmd
      581        43         3    0.749   6.609    4.436

Value             0     5    10
Frequency       167    60   354
Proportion    0.287 0.103 0.609
```

---

ablad : Barthel Index - Bladder (7-10 days post stroke onset)

```
        n   missing  distinct     Info    Mean      Gmd
      581        43         3    0.794   6.015    4.743

Value             0     5    10
Frequency       200    63   318
Proportion    0.344 0.108 0.547
```

---

xfeed : Barthel Index - Feeding (3 months post stroke onset)

```
        n    missing   distinct       Info     Mean      Gmd
      503        121          3      0.702    7.873     2.99

Value           0      5     10
Frequency      39    136    328
Proportion  0.078  0.270  0.652
```

xmoving : Barthel Index - Moving (3 months post stroke onset)

```
        n    missing   distinct       Info     Mean      Gmd
      503        121          4      0.681    12.03    4.527

Value           0      5     10     15
Frequency      51     36     74    342
Proportion  0.101  0.072  0.147  0.680
```

xtoilet : Barthel Index - Personal Toilet (3 months post stroke onset)

```
        n    missing   distinct       Info     Mean      Gmd
      503        121          2      0.474    4.016    1.584

Value           0      5
Frequency      99    404
Proportion  0.197  0.803
```

xonoff : Barthel Index - On Off Toilet (3 months post stroke onset)

```
        n    missing   distinct       Info     Mean      Gmd
      503        121          3      0.635    7.982    3.071

Value           0      5     10
Frequency      57     89    357
Proportion  0.113  0.177  0.710
```

xbath : Barthel Index - Bathing (3 months post stroke onset)

```
        n    missing   distinct       Info     Mean      Gmd
      503        121          2      0.682     3.25    2.279

Value           0      5
Frequency     176    327
Proportion   0.35   0.65
```

xwalk : Barthel Index - Walking (3 months post stroke onset)

```
        n    missing   distinct       Info     Mean      Gmd
      503        121          3      0.684    10.92    5.897

Value           0     10     15
Frequency     122     44    337
Proportion  0.243  0.087  0.670
```

xwheel : Barthel Index - Wheelchair (3 months post stroke onset)

```
        n    missing   distinct       Info     Mean      Gmd
      503        121          2      0.189    0.338   0.6315

Value           0      5
Frequency     469     34
Proportion  0.932  0.068
```

xstairs : Barthel Index - Stairs (3 months post stroke onset)

```
        n    missing   distinct       Info     Mean      Gmd
      503        121          3      0.773    6.581    4.412

Value           0      5     10
Frequency     137     70    296
Proportion  0.272  0.139  0.588
```

xdress : Barthel Index - Dressing (3 months post stroke onset)

```
        n    missing   distinct       Info     Mean      Gmd
      503        121          3       0.75    7.326    3.655

Value           0      5     10
Frequency      76    117    310
Proportion  0.151  0.233  0.616
```

xbowel : Barthel Index - Bowels (3 months post stroke onset)

n	missing	distinct	Info	Mean	Gmd
503	121	3	0.487	8.509	2.489

Value	0	5	10
Frequency	49	52	402
Proportion	0.097	0.103	0.799

xbladder : Barthel Index - Bladder (3 months post stroke onset)

n	missing	distinct	Info	Mean	Gmd
503	121	3	0.568	8.221	2.837

Value	0	5	10
Frequency	55	69	379
Proportion	0.109	0.137	0.753

yfeed : Barthel Index - Feeding (6 months post stroke onset)

n	missing	distinct	Info	Mean	Gmd
473	151	3	0.665	8.087	2.784

Value	0	5	10
Frequency	31	119	323
Proportion	0.066	0.252	0.683

ymoving : Barthel Index - Moving (6 months post stroke onset)

n	missing	distinct	Info	Mean	Gmd
473	151	4	0.56	12.84	3.55

Value	0	5	10	15
Frequency	35	20	59	359
Proportion	0.074	0.042	0.125	0.759

ytoilet : Barthel Index - Personal Toilet (6 months post stroke onset)

n	missing	distinct	Info	Mean	Gmd
473	151	2	0.4	4.207	1.337

Value	0	5
Frequency	75	398
Proportion	0.159	0.841

yonoff : Barthel Index - On Off Toilet (6 months post stroke onset)

n	missing	distinct	Info	Mean	Gmd
473	151	3	0.541	8.372	2.64

Value	0	5	10
Frequency	45	64	364
Proportion	0.095	0.135	0.770

ybath : Barthel Index - Bathing (6 months post stroke onset)

n	missing	distinct	Info	Mean	Gmd
473	151	2	0.672	3.309	2.243

Value	0	5
Frequency	160	313
Proportion	0.338	0.662

ywalk : Barthel Index - Walking (6 months post stroke onset)

n	missing	distinct	Info	Mean	Gmd
472	152	3	0.659	11.62	5.146

Value	0	10	15
Frequency	87	58	327
Proportion	0.184	0.123	0.693

ywheel : Barthel Index - Wheelchair (6 months post stroke onset)

n	missing	distinct	Info	Mean	Gmd
473	151	2	0.15	0.2643	0.5017

Value	0	5
Frequency	448	25
Proportion	0.947	0.053

ystairs : Barthel Index - Stairs (6 months post stroke onset)

n	missing	distinct	Info	Mean	Gmd
473	151	3	0.736	7.061	4.043

Value	0	5	10
Frequency	103	72	298
Proportion	0.218	0.152	0.630

ydress : Barthel Index - Dressing (6 months post stroke onset)

n	missing	distinct	Info	Mean	Gmd
473	151	3	0.713	7.632	3.361

Value	0	5	10
Frequency	58	108	307
Proportion	0.123	0.228	0.649

ybowel : Barthel Index - Bowels (6 months post stroke onset)

n	missing	distinct	Info	Mean	Gmd
473	151	3	0.425	8.7	2.236

Value	0	5	10
Frequency	43	37	393
Proportion	0.091	0.078	0.831

ybladder : Barthel Index - Bladder (6 months post stroke onset)

n	missing	distinct	Info	Mean	Gmd
473	151	3	0.495	8.499	2.496

Value	0	5	10
Frequency	45	52	376
Proportion	0.095	0.110	0.795

zfeed : Barthel Index - Feeding (12 months post stroke onset)

n	missing	distinct	Info	Mean	Gmd
438	186	3	0.637	8.196	2.702

Value	0	5	10
Frequency	29	100	309
Proportion	0.066	0.228	0.705

zmoving : Barthel Index - Moving (12 months post stroke onset)

n	missing	distinct	Info	Mean	Gmd
438	186	4	0.506	12.99	3.39

Value	0	5	10	15
Frequency	32	20	40	346
Proportion	0.073	0.046	0.091	0.790

ztoilet : Barthel Index - Personal Toilet (12 months post stroke onset)

n	missing	distinct	Info	Mean	Gmd
438	186	2	0.412	4.178	1.377

Value	0	5
Frequency	72	366
Proportion	0.164	0.836

zonoff : Barthel Index - On Off Toilet (12 months post stroke onset)

n	missing	distinct	Info	Mean	Gmd
438	186	3	0.496	8.493	2.505

Value	0	5	10
Frequency	42	48	348
Proportion	0.096	0.110	0.795

zbath : Barthel Index - Bathing (12 months post stroke onset)

n	missing	distinct	Info	Mean	Gmd
438	186	2	0.634	3.482	2.119

Value	0	5
Frequency	133	305
Proportion	0.304	0.696

zwalk : Barthel Index - Walking (12 months post stroke onset)

n	missing	distinct	Info	Mean	Gmd
438	186	3	0.603	11.83	4.965

```
Value         0    10    15
Frequency    80    38   320
Proportion 0.183 0.087 0.731
```

zwheel : Barthel Index - Wheelchair (12 months post stroke onset)

n	missing	distinct	Info	Mean	Gmd
438	186	2	0.131	0.2283	0.4368

```
Value         0     5
Frequency   418    20
Proportion 0.954 0.046
```

zstairs : Barthel Index - Stairs (12 months post stroke onset)

n	missing	distinct	Info	Mean	Gmd
438	186	3	0.662	7.42	3.782

```
Value         0     5    10
Frequency    90    46   302
Proportion 0.205 0.105 0.689
```

zdress : Barthel Index - Dressing (12 months post stroke onset)

n	missing	distinct	Info	Mean	Gmd
438	186	3	0.652	7.831	3.262

```
Value         0     5    10
Frequency    58    74   306
Proportion 0.132 0.169 0.699
```

zbowel : Barthel Index - Bowels (12 months post stroke onset)

n	missing	distinct	Info	Mean	Gmd
437	187	3	0.43	8.65	2.314

```
Value         0     5    10
Frequency    43    32   362
Proportion 0.098 0.073 0.828
```

zbladder : Barthel Index - Bladder (12 months post stroke onset)

n	missing	distinct	Info	Mean	Gmd
437	187	3	0.467	8.558	2.431

```
Value         0     5    10
Frequency    43    40   354
Proportion 0.098 0.092 0.810
```

abarthel : Barthel Index score(7-10 days post stroke onset)

n	missing	distinct	Info	Mean	Gmd	.05	.10	.25	.50	.75	.90	.95
581	43	21	0.97	52.2	46.07	0	0	5	50	100	100	100

```
lowest :   0   5  10  15  20, highest:  80  85  90  95 100
```

xbarthel : Barthel Index at 3 months (raw)

n	missing	distinct	Info	Mean	Gmd	.05	.10	.25	.50	.75	.90	.95
503	121	21	0.89	77.05	32.04	0	20	60	95	100	100	100

```
lowest :   0   5  10  15  20, highest:  80  85  90  95 100
```

ybarthel : Barthel Index at 6 months (raw)

n	missing	distinct	Info	Mean	Gmd	.05	.10	.25	.50	.75	.90	.95
473	151	21	0.857	80.57	28.36	5	26	70	100	100	100	100

```
lowest :   0   5  10  15  20, highest:  80  85  90  95 100
```

zbarthel : Barthel Index at 12 months (raw)

n	missing	distinct	Info	Mean	Gmd	.05	.10	.25	.50	.75	.90	.95
438	186	21	0.822	81.82	27.68	4.25	25.00	75.00	100.00	100.00	100.00	100.00

```
lowest :   0   5  10  15  20, highest:  80  85  90  95 100
```

ambp : Admission Mean Arterial Blood Pressure = (Admission Systolic BP + 2*Admission Diastolic BP)/3

n	missing	distinct	Info	Mean	Gmd	.05	.10	.25	.50	.75	.90	.95
623	1	168	1	112.5	19.11	86.03	91.73	100.67	112.00	123.17	133.60	140.67

```
lowest : 63.33333  74.00000  74.33333  76.66667  77.66667
highest: 163.33333 166.00000 174.00000 185.33333 200.00000
```

xrankin : Modified Rankin Scale at 90 Days (raw)

n	missing	distinct	Info	Mean	Gmd
502	122	6	0.963	2.213	1.837

```
Value          0     1     2     3     4     5
Frequency     90   124    60    85   103    40
Proportion 0.179 0.247 0.120 0.169 0.205 0.080
```

xgos : Glasgow at 90 Days (raw)

n	missing	distinct	Info	Mean	Gmd
510	114	5	0.865	1.863	0.9824

```
Value          1     2     3     4     5
Frequency    237   124   139     2     8
Proportion 0.465 0.243 0.273 0.004 0.016
```

yrankin : Modified Rankin Scale at 6 Months (raw)

n	missing	distinct	Info	Mean	Gmd
473	151	6	0.961	2.061	1.782

```
Value          0     1     2     3     4     5
Frequency     92   125    58    92    72    34
Proportion 0.195 0.264 0.123 0.195 0.152 0.072
```

ygos : Glasgow at 6 Months (raw)

n	missing	distinct	Info	Mean	Gmd
480	144	5	0.857	1.802	0.9494

```
Value          1     2     3     4     5
Frequency    231   133   105     2     9
Proportion 0.481 0.277 0.219 0.004 0.019
```

zrankin : Modified Rankin Scale at 12 Months (raw)

n	missing	distinct	Info	Mean	Gmd
437	187	6	0.959	1.943	1.765

```
Value          0     1     2     3     4     5
Frequency     94   120    59    77    55    32
Proportion 0.215 0.275 0.135 0.176 0.126 0.073
```

zgos : Glasgow at 12 Months (raw)

n	missing	distinct	Info	Mean	Gmd
450	174	5	0.834	1.778	0.9863

```
Value          1     2     3     4     5
Frequency    236   106    93     2    13
Proportion 0.524 0.236 0.207 0.004 0.029
```

treated

n	missing	distinct
624	0	2

```
Value      FALSE  TRUE
Frequency    312   312
Proportion   0.5   0.5
```

id

n	missing	distinct
624	0	624

```
lowest : 102123   1032724 1075641 1087499 1115002, highest: 9932804 9936654 9942247 9946916 9987047
```