NINDS volumes exploration

David C. Norris

*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.
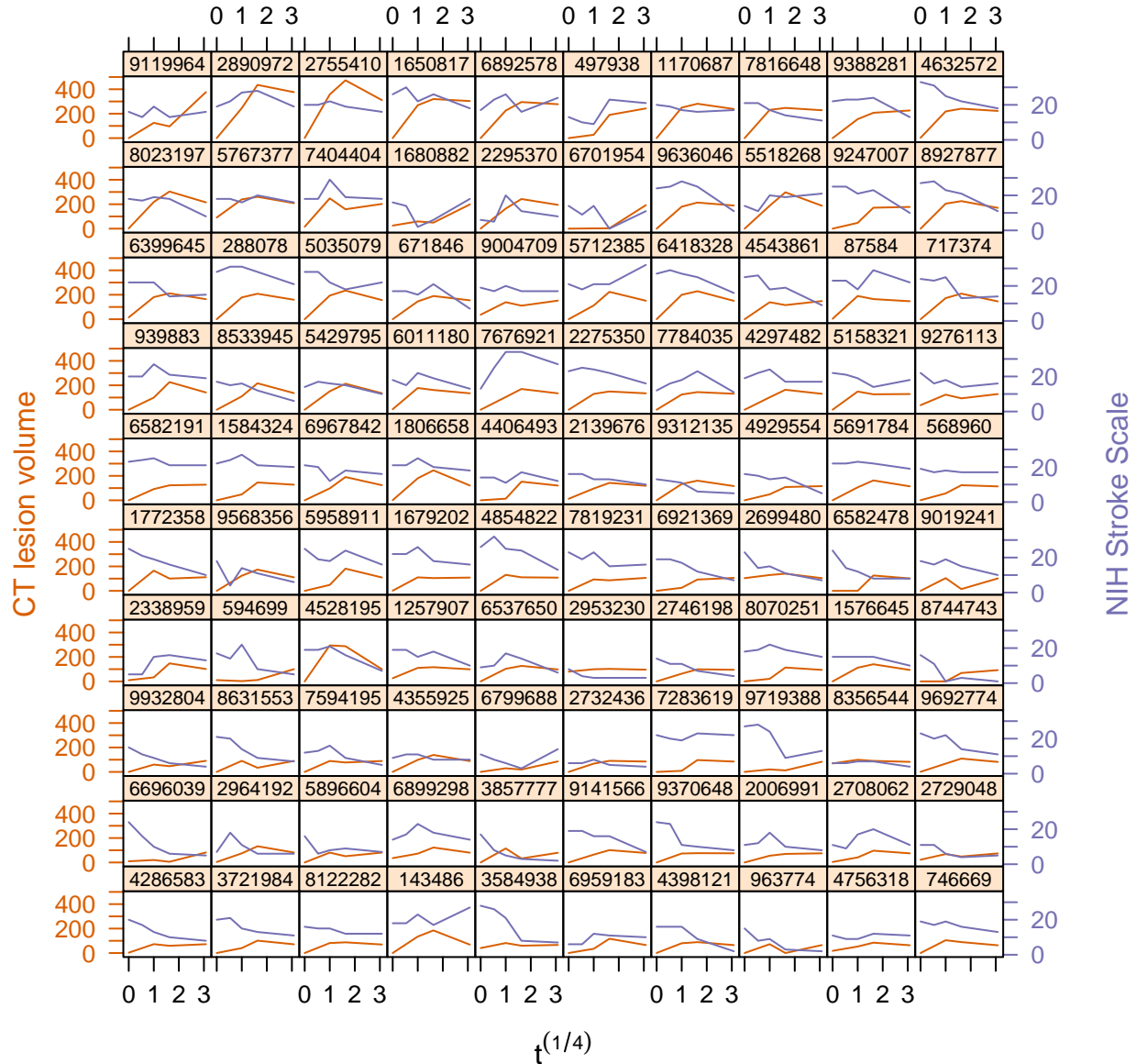
From the above, I gather that many of these cases do not tell the simple story I would have expected: that the first day (or week) after the stroke, the damage consolidates. Some cases (e.g., 497938, 5958911 and 4406493) seem to show a 2nd stroke occurring during the first 90 days. So apparently I must 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'.
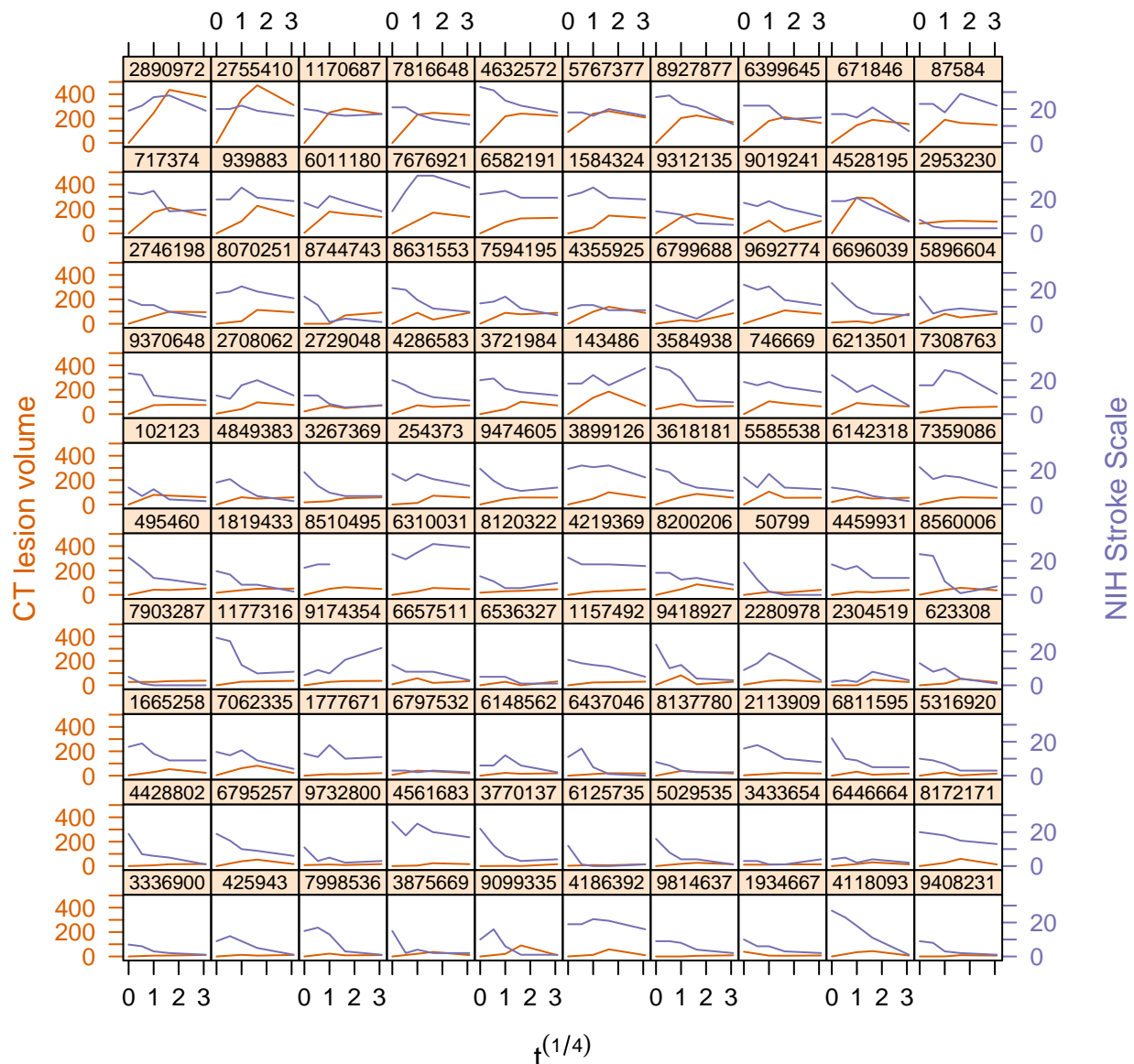
Well, look at that! Upon eyeballing this array, I gain the distinct impression of 'less surprising' clinical and imaging courses. The CT lesion volumes exhibit more convexity and asymptote-like behavior.

Correlation of lesion volume with NIHSS
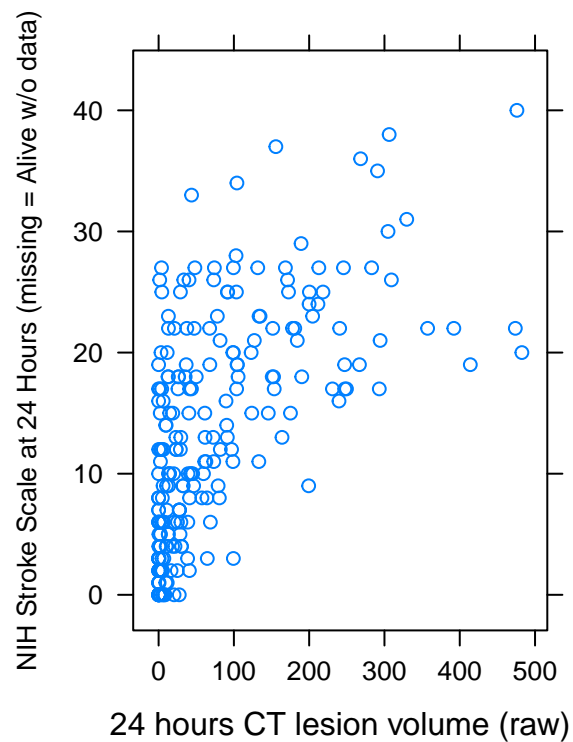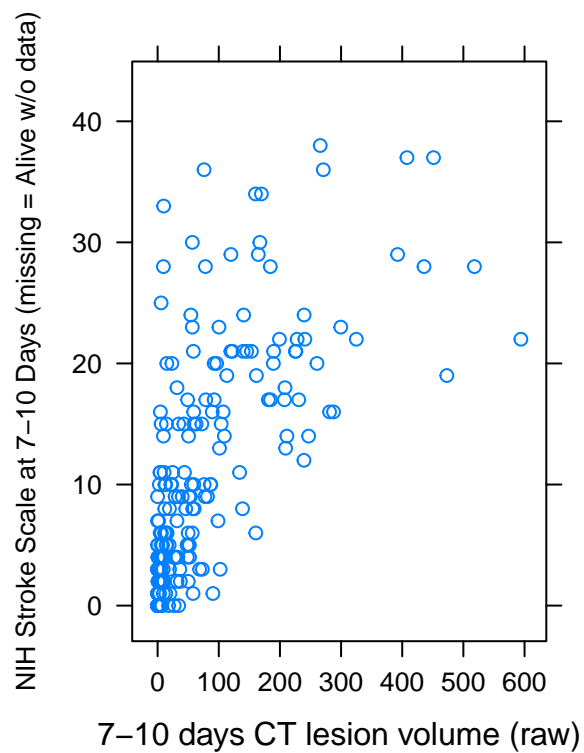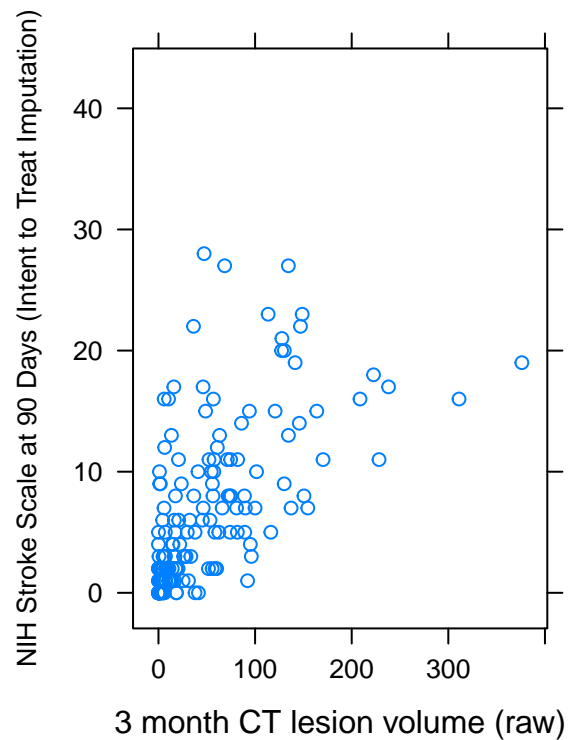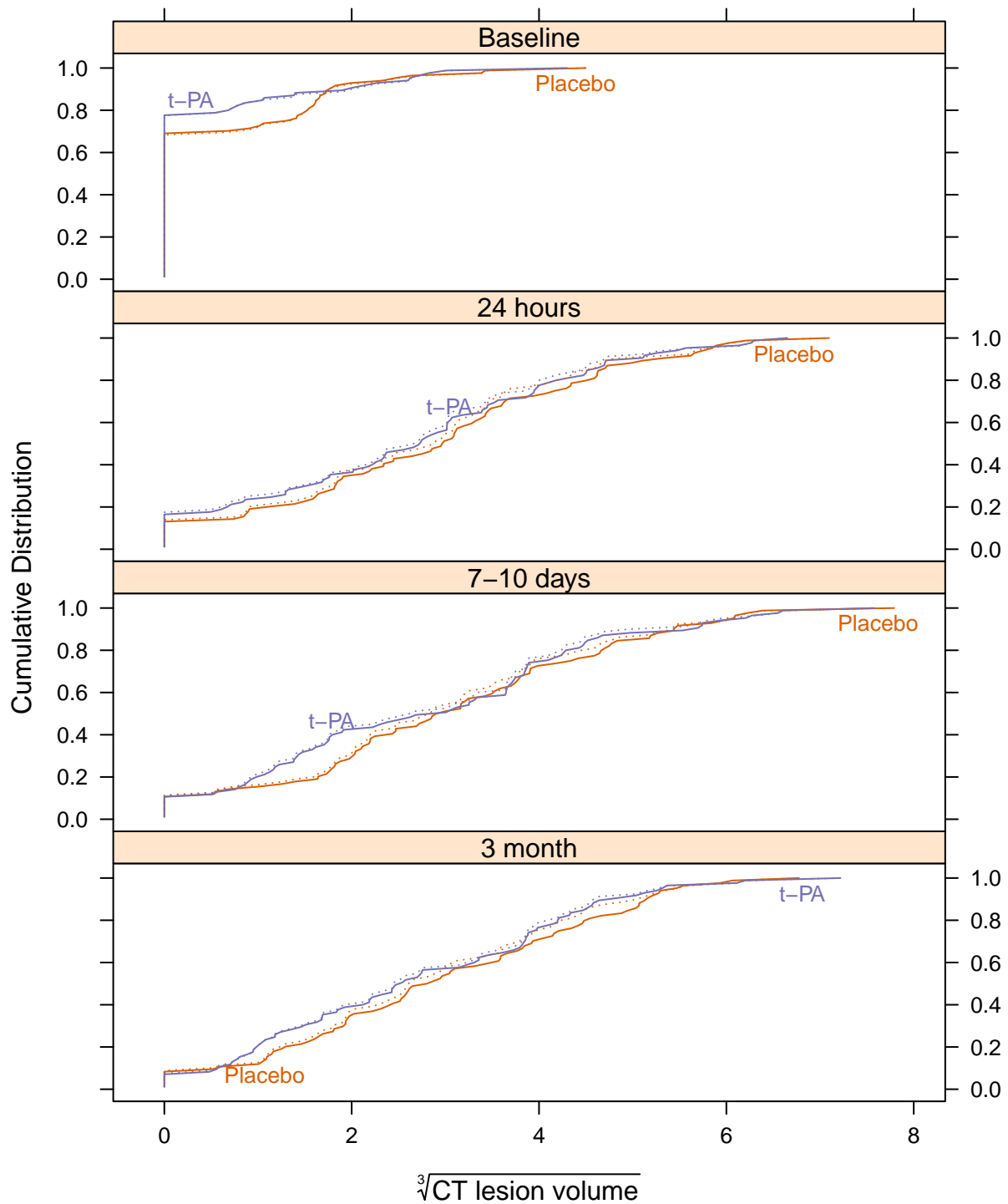
Figure 1: Cumulative distributions of CT lesion volumes at baseline, 24 hours, 7-10 days, and 3 months, for N= 169 cardioembolic stroke subjects. Dotted curves exclude 10 cases with ICH occurring within 36 hours of initiation of treatment.

Restrict the above to lesionless baseline CT
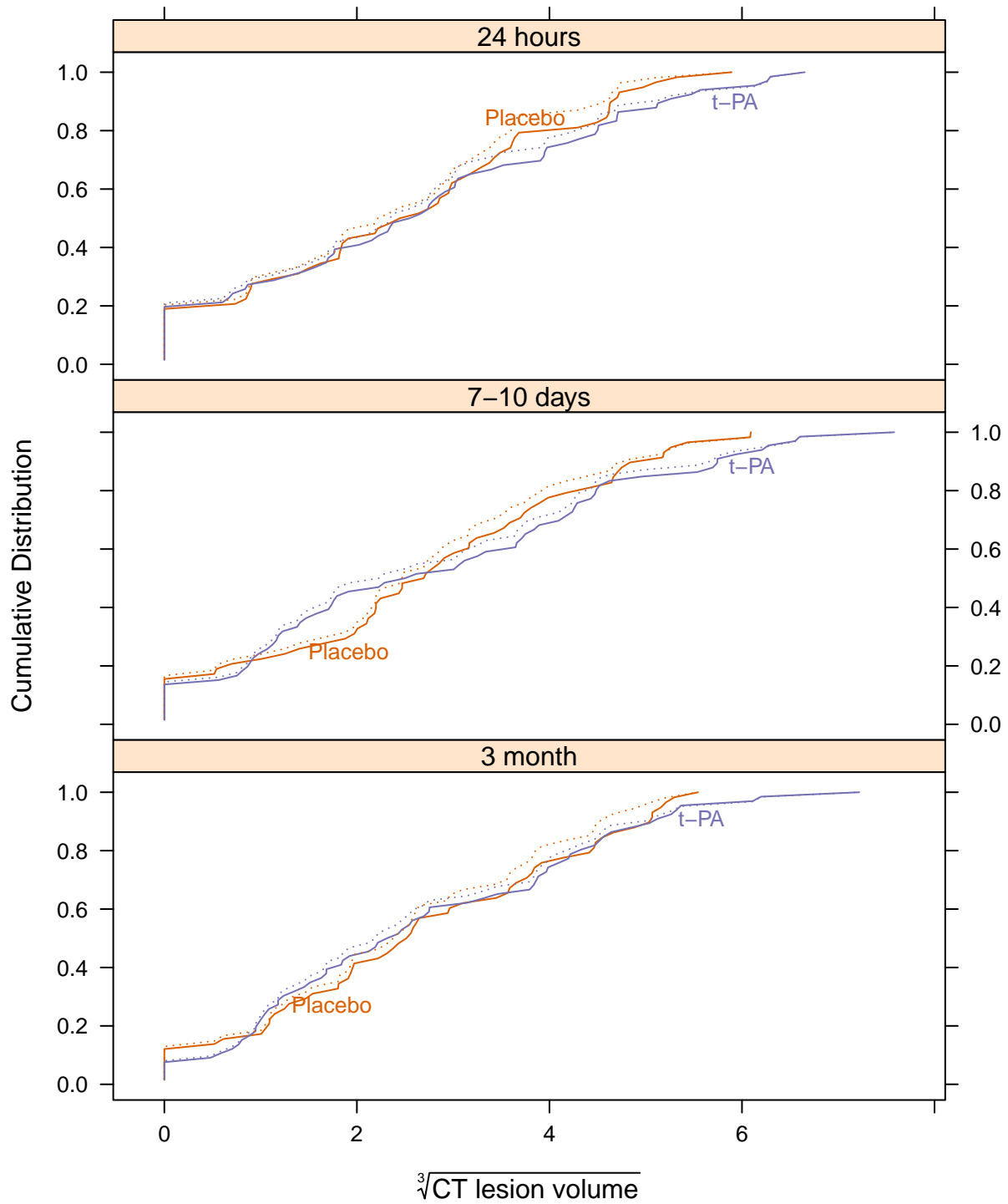
Figure 2: Cumulative distributions of CT lesion volumes at 24 hours, 7-10 days, and 3 months, for N= 124 cardioembolic stroke subjects with no lesion on the baseline CT. Dotted curves exclude 8 cases with ICH.

What lesion volume changes would the K-S test detect?

```r
comp <- compareVols(les3m, plot=FALSE) #, excludeICH=TRUE)
set.seed(2018) # Reproducibly jitter lesion volumes, averting 'ties' offensive to KS test:
lesion_vols <- with(comp, jitter(lesion_volume, amount=0.001*mean(lesion_volume)))
tPA_vols <- lesion_vols[comp$treatcd=='t-PA']
placebo_vols <- lesion_vols[comp$treatcd=='Placebo']
# NB: In ks.test, the alternative 'greater' refers to the *cumulative* distribution,
#     and so corresponds to the suspicion that tPA volumes are shifted to the left
#     (i.e., are generally *lower*) relative to the placebo volumes.
ks.test(0.65*tPA_vols, placebo_vols, alternative=c('greater','two.sided')[1])
```

```
##
##  Two-sample Kolmogorov-Smirnov test
##
## data:  0.65 * tPA_vols and placebo_vols
## D^+ = 0.19244, p-value = 0.04376
## alternative hypothesis: the CDF of x lies above that of y
```

Appendix

ninds[, -which(names(ninds) %in% c("bmalcd"))]

303 Variables   624   Observations

---

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

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
```