Aggregate Data

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[1] "Common Sound Change, Token Freq T, Only considering max suffixes: TRUE"

[1] "Dropping suffixes that appear 10 or less times"

[1] "Sg_systems"

```
   e    o    -   es    s    i   is
0.56 0.16 0.14 0.06 0.04 0.02 0.02
```
[1] "Proportion of Sg systems without s ending: 0.88"
[1] "Nom_Acc_Sg_systems"

```
 -,o  -,e    o    -    e  s,o
0.50 0.36 0.08 0.02 0.02 0.02
```
[1] "Proportion of Nom_AccSg systems without s ending: 0.98"
[1] "Acc_Abl_Sg_systems"

```
   o    e  o,e  -,e
0.40 0.38 0.20 0.02
```
[1] "Proportion of Acc_AblSg systems without s ending: 1"
[1] "Nom_Acc_Abl_Sg_systems"

```
  -,e   -,o -,o,e    o    e s,o,e
 0.38  0.32  0.18  0.08  0.02  0.02
```
[1] "Proportion of Nom_Acc_AblSg systems without s ending: 0.98"
[1] "Gen_Dat_Sg_systems"

```
   e es,e   es    -    s  -,e  e,-  s,-    i  i,e   is is,- is,i    o  s,e
0.36 0.12 0.10 0.08 0.06 0.04 0.04 0.04 0.02 0.02 0.02 0.02 0.02 0.02 0.02
s,es
0.02
```
[1] "Proportion of Gen_DatSg systems without s ending: 0.58"
[1] "Sg_1_systems"
```
a
1
```
[1] "Proportion of Sg1 systems with a ending: 1"
[1] "Nom_Acc_Sg_1_systems"
```
a
1
```
[1] "Proportion of Nom_AccSg1 systems with a ending: 1"
[1] "Acc_Abl_Sg_1_systems"
```
a
1
```
[1] "Proportion of Acc_AblSg1 systems with a ending: 1"
[1] "Nom_Acc_Abl_Sg_1_systems"
```
a
1
```
[1] "Proportion of Nom_Acc_AblSg1 systems with a ending: 1"

```
[1] "Gen_Dat_Sg_1_systems"

   a as,a   as    s,as    -  es,a
0.70 0.14 0.08 0.04 0.02 0.02
[1] "Proportion of Gen_DatSg1 systems with a ending: 0.86"
[1] "Sg_2_systems"
o
1
[1] "Proportion of Sg2 systems with o ending: 1"
[1] "Nom_Acc_Sg_2_systems"
o
1
[1] "Proportion of Nom_AccSg2 systems with o ending: 1"
[1] "Acc_Abl_Sg_2_systems"

   o o,os
0.98 0.02
[1] "Proportion of Acc_AblSg2 systems with o ending: 1"
[1] "Nom_Acc_Abl_Sg_2_systems"

   o o,os
0.98 0.02
[1] "Proportion of Nom_Acc_AblSg2 systems with o ending: 1"
[1] "Gen_Dat_Sg_2_systems"

   e    -    s e,o es,e   i -,o   es  -,e  i,e  i,o   is is,-    o  s,-
0.36 0.16 0.08 0.06 0.06 0.06 0.04 0.04 0.02 0.02 0.02 0.02 0.02 0.02 0.02
[1] "Proportion of Gen_DatSg2 systems with o ending: 0.14"
[1] "Sg_3_systems"

   e    -   es    s    i   is
0.80 0.08 0.04 0.04 0.02 0.02
[1] "Proportion of Sg3 systems with e ending: 0.88"
[1] "Nom_Acc_Sg_3_systems"

 -,e    e    - es,e  s,e
0.86 0.08 0.02 0.02 0.02
[1] "Proportion of Nom_AccSg3 systems with e ending: 1"
[1] "Acc_Abl_Sg_3_systems"

   e  -,e
0.98 0.02
[1] "Proportion of Acc_AblSg3 systems with e ending: 1"
[1] "Nom_Acc_Abl_Sg_3_systems"

 -,e    e es,e  s,e
0.88 0.08 0.02 0.02
[1] "Proportion of Nom_Acc_AblSg3 systems with e ending: 1"
[1] "Gen_Dat_Sg_3_systems"

   e es,e   es  -,e  s,e   is    s  e,-    i is,- s,es
0.40 0.18 0.10 0.08 0.08 0.04 0.04 0.02 0.02 0.02 0.02
[1] "Proportion of Gen_DatSg3 systems with e ending: 0.78"
[1] "Sg_4_systems"
```

```
     o    os    -    es     u
0.90 0.04 0.02 0.02 0.02
```
[1] "Proportion of Sg4 systems with o ending: 0.9"
[1] "Nom_Acc_Sg_4_systems"

```
     o os,o    u
0.92 0.06 0.02
```
[1] "Proportion of Nom_AccSg4 systems with o ending: 0.98"
[1] "Acc_Abl_Sg_4_systems"

```
     o o,os  o,-     u
0.88 0.08 0.02 0.02
```
[1] "Proportion of Acc_AblSg4 systems with o ending: 0.98"
[1] "Nom_Acc_Abl_Sg_4_systems"

```
     o os,o  o,- o,os     u
0.88 0.06 0.02 0.02 0.02
```
[1] "Proportion of Nom_Acc_AblSg4 systems with o ending: 0.98"
[1] "Gen_Dat_Sg_4_systems"

```
    e    o    -   es    s  e,o es,e    i  s,o  -,o  -,s  e,- is,- is,i   os
0.24 0.20 0.10 0.06 0.06 0.04 0.04 0.04 0.04 0.02 0.02 0.02 0.02 0.02 0.02
os,-  s,-    u
0.02 0.02 0.02
```
[1] "Proportion of Gen_DatSg4 systems with o ending: 0.3"
[1] "Sg_5_systems"

```
    e    -   es
0.92 0.04 0.04
```
[1] "Proportion of Sg5 systems with e ending: 0.92"
[1] "Nom_Acc_Sg_5_systems"

```
 -,e    e es,e  s,e    -
0.68 0.22 0.04 0.04 0.02
```
[1] "Proportion of Nom_AccSg5 systems with e ending: 0.98"
[1] "Acc_Abl_Sg_5_systems"

```
   e e,es  -,e
0.94 0.04 0.02
```
[1] "Proportion of Acc_AblSg5 systems with e ending: 1"
[1] "Nom_Acc_Abl_Sg_5_systems"

```
  -,e      e   es,e    s,e s,e,es
 0.70   0.22   0.04   0.02   0.02
```
[1] "Proportion of Nom_Acc_AblSg5 systems with e ending: 1"
[1] "Gen_Dat_Sg_5_systems"

```
   e   es es,e  -,e  s,e  e,-    s s,es    -    i   is is,- is,i
0.38 0.12 0.12 0.10 0.06 0.04 0.04 0.04 0.02 0.02 0.02 0.02 0.02
```
[1] "Proportion of Gen_DatSg5 systems with e ending: 0.7"
[1] "Sg_m_systems"

```
    e    o    -   es    i    s
```

```
0.50 0.34 0.06 0.06 0.02 0.02
[1] "Proportion of Sgm systems with oe ending: 0.9"
[1] "Nom_Acc_Sg_m_systems"

   o  -,o    -  s,o
0.92 0.04 0.02 0.02
[1] "Proportion of Nom_AccSgm systems with oe ending: 1"
[1] "Acc_Abl_Sg_m_systems"

   o  o,e  -,e o,os
0.88 0.08 0.02 0.02
[1] "Proportion of Acc_AblSgm systems with oe ending: 1"
[1] "Nom_Acc_Abl_Sg_m_systems"

    o -,o,e   -,e   o,e  o,os s,o,e
 0.88  0.04  0.02  0.02  0.02  0.02
[1] "Proportion of Nom_Acc_AblSgm systems with oe ending: 1"
[1] "Gen_Dat_Sg_m_systems"

   e    - es,e -,e   es    s  e,o es,o    i   is is,- is,i    o  s,e s,es
0.38 0.10 0.10 0.06 0.06 0.06 0.04 0.04 0.04 0.02 0.02 0.02 0.02 0.02 0.02
[1] "Proportion of Gen_DatSgm systems with oe ending: 0.78"
[1] "Sg_f_systems"

   a    e
0.92 0.08
[1] "Proportion of Sgf systems with ae ending: 1"
[1] "Nom_Acc_Sg_f_systems"

 -,e  a,e    e    - es,e  s,e
0.68 0.18 0.08 0.02 0.02 0.02
[1] "Proportion of Nom_AccSgf systems with ae ending: 1"
[1] "Acc_Abl_Sg_f_systems"

   e  e,a  -,e
0.94 0.04 0.02
[1] "Proportion of Acc_AblSgf systems with ae ending: 1"
[1] "Nom_Acc_Abl_Sg_f_systems"

 -,e  a,e    e es,e  s,e
0.70 0.18 0.08 0.02 0.02
[1] "Proportion of Nom_Acc_AblSgf systems with ae ending: 1"
[1] "Gen_Dat_Sg_f_systems"

    e  a,e   es es,e  -,e  s,e  e,-    s    - a,es  e,a es,a
 0.28 0.14 0.08 0.08 0.06 0.06 0.04 0.04 0.02 0.02 0.02 0.02
es,as    i   is is,- is,i  s,a s,es
 0.02 0.02 0.02 0.02 0.02 0.02 0.02
[1] "Proportion of Gen_DatSgf systems with ae ending: 0.78"
[1] "Sg_n_systems"

   e    o    -   es    s    i   is
0.36 0.34 0.18 0.04 0.04 0.02 0.02
[1] "Proportion of Sgn systems with oe ending: 0.88"
```

4

```
[1] "Nom_Acc_Sg_n_systems"
o
1
[1] "Proportion of Nom_AccSgn systems with oe ending: 1"
[1] "Acc_Abl_Sg_n_systems"

   o o,os
0.98 0.02
[1] "Proportion of Acc_AblSgn systems with oe ending: 1"
[1] "Nom_Acc_Abl_Sg_n_systems"

   o o,os
0.98 0.02
[1] "Proportion of Nom_Acc_AblSgn systems with oe ending: 1"
[1] "Gen_Dat_Sg_n_systems"

   e    -    s  e,o es,e   i -,o   es  -,e  i,e  i,o   is is,-    o  s,-
0.36 0.16 0.08 0.06 0.06 0.06 0.04 0.04 0.02 0.02 0.02 0.02 0.02 0.02 0.02
[1] "Proportion of Gen_DatSgn systems with oe ending: 0.8"
[1] "Sg_mf_systems"

 e,a  o,a    e  -,a es,a  i,a  s,a
0.42 0.34 0.08 0.06 0.06 0.02 0.02
[1] "Proportion of Sgmf systems with aoe ending: 1"
[1] "Nom_Acc_Sg_mf_systems"

 o,-,e  o,a,e    o,e -,a,o,e      -  o,es,e  s,o,e
  0.68   0.14   0.08   0.04   0.02   0.02   0.02
[1] "Proportion of Nom_AccSgmf systems with aoe ending: 1"
[1] "Acc_Abl_Sg_mf_systems"

    o,e     -,e   o,e,a o,e,os,a
   0.94    0.02    0.02    0.02
[1] "Proportion of Acc_AblSgmf systems with aoe ending: 1"
[1] "Nom_Acc_Abl_Sg_mf_systems"

  o,-,e   o,a,e     o,e -,a,o,e     -,e o,a,e,os  o,es,e   s,o,e
   0.68    0.12    0.08    0.04    0.02    0.02    0.02    0.02
[1] "Proportion of Nom_Acc_AblSgmf systems with aoe ending: 1"
[1] "Gen_Dat_Sg_mf_systems"

      e     -,e     e,a    es,e   -,s,e     e,-      es    -,a,e     -,s
   0.26    0.08    0.08    0.08    0.04    0.04    0.04    0.02    0.02
  e,a,o   e,o,-    es,a es,e,as    es,o  es,o,e       i   i,a,e      is
   0.02    0.02    0.02    0.02    0.02    0.02    0.02    0.02    0.02
   is,-    is,i   o,a,e       s     s,e   s,e,a    s,es  s,es,a
   0.02    0.02    0.02    0.02    0.02    0.02    0.02    0.02
[1] "Proportion of Gen_DatSgmf systems with aoe ending: 0.86"
[1] "Pl_systems"

   e    -    s   es    a   eo    i
0.28 0.24 0.20 0.16 0.04 0.04 0.04
[1] "Proportion of Pl systems with s ending: 0.36"
[1] "Nom_Acc_Pl_systems"
```

```
      s     -     es   -,a     a    -,e   s,-   s,es   -,es   es,a   a,e      e
   0.18  0.16   0.14  0.08  0.08   0.06  0.06   0.06   0.04   0.04  0.02   0.02
  es,as  es,e  is,as
   0.02  0.02   0.02
```
[1] "Proportion of Nom_AccPl systems with s ending: 0.58"
[1] "Acc_Abl_Pl_systems"

```
      s   es,e      -     es    a,-   a,es      e     -,e    a,e
   0.14   0.10   0.08   0.08   0.06   0.06   0.06    0.04   0.04
    e,-  -,ebos   -,eo   -,es    -,i    -,s   a,eo     a,i   as,e
   0.04   0.02   0.02   0.02   0.02   0.02   0.02    0.02   0.02
  as,eo   e,es   es,-  es,ebos  es,s    s,e   s,eo
   0.02   0.02   0.02   0.02    0.02   0.02   0.02
```
[1] "Proportion of Acc_AblPl systems with s ending: 0.6"
[1] "Nom_Acc_Abl_Pl_systems"

```
      s        -      -,e      es     es,e       -,a      a,e
   0.14     0.08     0.08     0.08     0.08      0.06     0.06
   -,es     es,a    -,a,i     -,eo    -,es,e      -,s     a,eo
   0.04     0.04     0.02     0.02     0.02      0.02     0.02
   a,es        e   es,as,e  is,as,eo   s,-,e   s,-,ebos   s,-,i
   0.02     0.02     0.02     0.02     0.02      0.02     0.02
    s,e     s,eo     s,es    s,es,e  s,es,ebos
   0.02     0.02     0.02     0.02     0.02
```
[1] "Proportion of Nom_Acc_AblPl systems with s ending: 0.64"
[1] "Gen_Dat_Pl_systems"

```
      e        -       es       s       eo        i      -,e     e,a  ebos,es
   0.28     0.20     0.16     0.14     0.04     0.04     0.02    0.02     0.02
   es,-        o     o,eo      s,-
   0.02     0.02     0.02     0.02
```
[1] "Proportion of Gen_DatPl systems with s ending: 0.36"
[1] "Pl_1_systems"

```
   a   as    -    e    o    s
0.64 0.28 0.02 0.02 0.02 0.02
```
[1] "Proportion of Pl1 systems with s ending: 0.3"
[1] "Nom_Acc_Pl_1_systems"

```
   a   as a,es   es as,a s,as
0.62 0.26 0.04 0.04 0.02 0.02
```
[1] "Proportion of Nom_AccPl1 systems with s ending: 0.38"
[1] "Acc_Abl_Pl_1_systems"

```
      a      as   es,a   as,s    a,-   a,as  a,bos    a,e   a,eo    a,o
   0.52    0.18   0.06   0.04   0.02   0.02   0.02   0.02   0.02   0.02
   as,-  as,bos   as,i  es,as
   0.02    0.02   0.02   0.02
```
[1] "Proportion of Acc_AblPl1 systems with s ending: 0.4"
[1] "Nom_Acc_Abl_Pl_1_systems"

```
      a       as     a,es      a,-     a,as      a,e     a,eo      a,o
   0.52     0.18     0.04     0.02     0.02     0.02     0.02     0.02
```

```
   as,- as,a,bos   as,bos    as,i     as,s    es,a   es,as    s,as
   0.02     0.02     0.02     0.02     0.02    0.02    0.02    0.02
[1] "Proportion of Nom_Acc_AblPl1 systems with s ending: 0.4"
[1] "Gen_Dat_Pl_1_systems"

    a    as  s,as     -  a,as    ao   aso bos,as     e     o
 0.64  0.16  0.04  0.02  0.02  0.02  0.02  0.02  0.02  0.02
    s
 0.02
[1] "Proportion of Gen_DatPl1 systems with s ending: 0.26"
[1] "Pl_2_systems"

   -    e    s   es    a    i    o
0.34 0.22 0.22 0.10 0.04 0.04 0.04
[1] "Proportion of Pl2 systems with s ending: 0.32"
[1] "Nom_Acc_Pl_2_systems"

   -    a    s  -,a  s,- s,as  e,-   es es,e os,s
0.32 0.20 0.20 0.10 0.06 0.04 0.02 0.02 0.02 0.02
[1] "Proportion of Nom_AccPl2 systems with s ending: 0.36"
[1] "Acc_Abl_Pl_2_systems"

   s  -,e    -  a,-  a,e  -,s -,eo -,es  -,i    a a,es  a,i
0.18 0.14 0.12 0.12 0.10 0.08 0.02 0.02 0.02 0.02 0.02 0.02
 a,o as,e as,es e,es   es  s,e s,es
0.02 0.02 0.02 0.02 0.02 0.02 0.02
[1] "Proportion of Acc_AblPl2 systems with s ending: 0.42"
[1] "Nom_Acc_Abl_Pl_2_systems"

      s       -     -,e    a,e     -,a     -,s     a,-   -,a,e  -,a,es
   0.18    0.12    0.10    0.08    0.06    0.06    0.06    0.02    0.02
   -,eo    -,es       a    a,i     a,o     e,-      es    es,e os,s,es
   0.02    0.02    0.02    0.02    0.02    0.02    0.02    0.02    0.02
    s,-   s,-,e   s,-,i  s,as,e s,as,es     s,e
   0.02    0.02    0.02    0.02    0.02    0.02
[1] "Proportion of Nom_Acc_AblPl2 systems with s ending: 0.46"
[1] "Gen_Dat_Pl_2_systems"

   -    e    s   es    o  -,a    i  -,e    a
0.28 0.24 0.20 0.10 0.06 0.04 0.04 0.02 0.02
[1] "Proportion of Gen_DatPl2 systems with s ending: 0.3"
[1] "Pl_3_systems"

   e   es    s    -   eo    i ebos
0.32 0.26 0.16 0.14 0.06 0.04 0.02
[1] "Proportion of Pl3 systems with s ending: 0.44"
[1] "Nom_Acc_Pl_3_systems"

   es  s,es  -,e  s,e    e es,e    - -,es  a,e is,es    s  s,-
 0.28  0.20 0.18 0.08 0.06 0.06 0.04 0.02 0.02 0.02 0.02 0.02
[1] "Proportion of Nom_AccPl3 systems with s ending: 0.7"
[1] "Acc_Abl_Pl_3_systems"

     es       e    es,e    e,es    e,eo   es,eo       -     -,e    -,es
```

```
    0.28    0.20    0.16    0.08    0.04    0.04    0.02    0.02    0.02
    e,-   e,ebos    e,i    e,s es,ebos  es,i      s
    0.02    0.02    0.02    0.02    0.02    0.02    0.02
```
[1] "Proportion of Acc_AblPl3 systems with s ending: 0.68"
[1] "Nom_Acc_Abl_Pl_3_systems"

```
    es,e      es     -,e    s,es       e     s,e        -
    0.18    0.16    0.14    0.12    0.06    0.04    0.02
   -,e,eo  -,e,es   -,e,i  -,es,e     a,e is,es,eo       s
    0.02    0.02    0.02    0.02    0.02    0.02    0.02
   s,-,es s,e,ebos   s,e,eo   s,es,e s,es,ebos   s,es,eo    s,es,i
    0.02    0.02    0.02    0.02    0.02    0.02    0.02
```
[1] "Proportion of Nom_Acc_AblPl3 systems with s ending: 0.72"
[1] "Gen_Dat_Pl_3_systems"

```
      e      es       -     -,e       s      eo       i    s,es     e,-
    0.30    0.18    0.10    0.08    0.08    0.06    0.04    0.04    0.02
 ebos,es    es,e       o     s,-     s,e
    0.02    0.02    0.02    0.02    0.02
```
[1] "Proportion of Gen_DatPl3 systems with s ending: 0.38"
[1] "Pl_4_systems"

```
   -    s    e   es    o   eo    i   os    u
0.28 0.20 0.18 0.12 0.10 0.04 0.04 0.02 0.02
```
[1] "Proportion of Pl4 systems with s ending: 0.34"
[1] "Nom_Acc_Pl_4_systems"

```
   -    s    o   es    e  e,o   os  s,- es,e    u
0.36 0.22 0.12 0.08 0.06 0.04 0.04 0.04 0.02 0.02
```
[1] "Proportion of Nom_AccPl4 systems with s ending: 0.4"
[1] "Acc_Abl_Pl_4_systems"

```
   -    s  -,e   es    e    o -,eo  -,i  o,e  -,s e,es  o,- o,os  o,s   os
0.22 0.18 0.08 0.08 0.06 0.06 0.04 0.04 0.04 0.02 0.02 0.02 0.02 0.02 0.02
os,s  s,e  s,eo    u
0.02 0.02 0.02 0.02
```
[1] "Proportion of Acc_AblPl4 systems with s ending: 0.42"
[1] "Nom_Acc_Abl_Pl_4_systems"

```
    -     s    es   -,e     e     o  -,eo   e,o   -,i   -,s  es,e   o,-
 0.22  0.18  0.08  0.06  0.06  0.06  0.04  0.04  0.02  0.02  0.02  0.02
 o,os   o,s    os  os,s s,-,e s,-,i   s,e  s,eo     u
 0.02  0.02  0.02  0.02  0.02  0.02  0.02  0.02  0.02
```
[1] "Proportion of Nom_Acc_AblPl4 systems with s ending: 0.46"
[1] "Gen_Dat_Pl_4_systems"

```
    e       -      es       s      eo    es,-       i     -,e eso,eo       o
 0.32    0.16    0.16    0.16    0.04    0.04    0.04    0.02    0.02    0.02
    u
 0.02
```
[1] "Proportion of Gen_DatPl4 systems with s ending: 0.36"
[1] "Pl_5_systems"

```
   e   es    -    s   eo    i    a ebos
```

```
0.34 0.26 0.18 0.08 0.06 0.04 0.02 0.02
[1] "Proportion of Pl5 systems with s ending: 0.36"
[1] "Nom_Acc_Pl_5_systems"

   es  s,es  -,e     -  es,e     a   s,e  -,es   a,e     e is,es     s
 0.30  0.20  0.18  0.08  0.06  0.04  0.04  0.02  0.02  0.02  0.02  0.02
[1] "Proportion of Nom_AccPl5 systems with s ending: 0.66"
[1] "Acc_Abl_Pl_5_systems"

    es  es,e     e  e,es     -  e,eo   -,e  -,es     a
  0.26  0.20  0.14  0.08  0.04  0.04  0.02  0.02  0.02
   a,-   e,- e,ebos   e,i es,ebos  es,eo  es,i es,io     s
  0.02  0.02  0.02  0.02  0.02  0.02  0.02  0.02  0.02
[1] "Proportion of Acc_AblPl5 systems with s ending: 0.68"
[1] "Nom_Acc_Abl_Pl_5_systems"

   es,e      es    -,e   s,es      -  -,e,eo  -,e,es
   0.22    0.14   0.12   0.12   0.04    0.04    0.02
   -,e,i   -,es -,es,e      a    a,-     a,e       e
   0.02    0.02   0.02   0.02   0.02    0.02    0.02
 is,es,io      s    s,e s,e,ebos  s,es,e s,es,ebos  s,es,eo
   0.02    0.02   0.02   0.02    0.02    0.02    0.02
   s,es,i
   0.02
[1] "Proportion of Nom_Acc_AblPl5 systems with s ending: 0.7"
[1] "Gen_Dat_Pl_5_systems"

      e     es      -    -,e      s     eo      i   s,es      a
   0.28   0.16   0.12   0.10   0.08   0.06   0.04   0.04   0.02
ebos,es   es,e   es,s      o    s,e
   0.02   0.02   0.02   0.02   0.02
[1] "Proportion of Gen_DatPl5 systems with s ending: 0.36"
[1] "Pl_m_systems"

   e    -    s   es   eo    i    o
0.32 0.22 0.22 0.14 0.04 0.04 0.02
[1] "Proportion of Plm systems with s ending: 0.36"
[1] "Nom_Acc_Pl_m_systems"

    -    s   es  -,e    e  s,-  s,e  a,e  e,- e,es es,- is,es
 0.32 0.20 0.16 0.06 0.04 0.04 0.04 0.02 0.02 0.02 0.02 0.02
os,es  s,es
 0.02 0.02
[1] "Proportion of Nom_AccPlm systems with s ending: 0.54"
[1] "Acc_Abl_Pl_m_systems"

    -    s  -,e   es es,e    e -,es  -,i e,es -,eo  -,s e,eo
 0.18 0.16 0.10 0.10 0.10 0.08 0.04 0.04 0.04 0.02 0.02 0.02
  e,s es,eo es,s  s,e s,eo
 0.02 0.02 0.02 0.02 0.02
[1] "Proportion of Acc_AblPlm systems with s ending: 0.56"
[1] "Nom_Acc_Abl_Pl_m_systems"

       -       s     -,e      es    es,e  -,e,es       e     s,e
```

```
    0.18     0.16     0.08     0.08     0.08     0.04     0.04     0.04
    -,eo     -,es     -,i      -,s      a,e      e,-      e,es     es,-
    0.02     0.02     0.02     0.02     0.02     0.02     0.02     0.02
is,es,eo   os,es    s,-,e    s,-,i    s,e,eo    s,eo     s,es
    0.02     0.02     0.02     0.02     0.02     0.02     0.02
```
[1] "Proportion of Nom_Acc_AblPlm systems with s ending: 0.62"
[1] "Gen_Dat_Pl_m_systems"

```
   e    -    s   es   eo    i  -,e  e,- es,-    o  s,-
0.30 0.20 0.16 0.14 0.06 0.04 0.02 0.02 0.02 0.02 0.02
```
[1] "Proportion of Gen_DatPlm systems with s ending: 0.34"
[1] "Pl_f_systems"

```
   a   es   as    s    e    -   eo    i
0.48 0.18 0.10 0.08 0.06 0.04 0.04 0.02
```
[1] "Proportion of Plf systems with s ending: 0.36"
[1] "Nom_Acc_Pl_f_systems"

```
   es s,es  -,e    a  a,e    - es,e  s,e -,es    e is,es    s
 0.30 0.20 0.14 0.10 0.06 0.04 0.04 0.04 0.02 0.02 0.02 0.02
```
[1] "Proportion of Nom_AccPlf systems with s ending: 0.64"
[1] "Acc_Abl_Pl_f_systems"

```
   es   es,e     e      a   e,es   a,es   e,eo  es,eo      -
 0.26   0.18   0.12   0.06   0.06   0.04   0.04   0.04   0.02
  -,e    e,-    e,a  e,ebos   e,i   es,a es,ebos  es,i      s
 0.02   0.02   0.02   0.02   0.02   0.02   0.02   0.02   0.02
```
[1] "Proportion of Acc_AblPlf systems with s ending: 0.68"
[1] "Nom_Acc_Abl_Pl_f_systems"

```
   es,e     es    s,es     -,e      a     a,e    a,es
   0.18   0.14    0.12    0.10    0.06    0.04    0.04
      -  -,e,eo  -,e,es   -,e,i  -,es,e  a,e,eo       e
   0.02    0.02    0.02    0.02    0.02    0.02    0.02
   es,a is,es,eo       s     s,e s,e,ebos  s,es,e s,es,ebos
   0.02    0.02    0.02    0.02    0.02    0.02    0.02
 s,es,eo  s,es,i
   0.02    0.02
```
[1] "Proportion of Nom_Acc_AblPlf systems with s ending: 0.7"
[1] "Gen_Dat_Pl_f_systems"

```
    e     es    -,e      s      -      a     eo      i    s,es
 0.24   0.16   0.08   0.08   0.06   0.06   0.06   0.04   0.04
  -,a    a,-    a,e   a,es ebos,es  es,as   es,e      o    s,e
 0.02   0.02   0.02   0.02   0.02   0.02   0.02   0.02   0.02
```
[1] "Proportion of Gen_DatPlf systems with s ending: 0.38"
[1] "Pl_n_systems"

```
   -    e    s   es    a    i    o
0.32 0.22 0.22 0.10 0.06 0.04 0.04
```
[1] "Proportion of Pln systems with a ending: 0.06"
[1] "Nom_Acc_Pl_n_systems"

```
   -    a    s  -,a  s,- s,as  e,-   es es,e os,s
```

```
0.32 0.20 0.20 0.10 0.06 0.04 0.02 0.02 0.02 0.02
[1] "Proportion of Nom_AccPln systems with a ending: 0.3"
[1] "Acc_Abl_Pl_n_systems"

    s   -,e    -   a,-   a,e   -,s  -,eo  -,es   -,i    a  a,es   a,i
 0.18  0.14  0.12  0.12  0.10  0.08  0.02  0.02  0.02  0.02  0.02  0.02
  a,o as,es  as,o  e,es    es   s,e  s,es
 0.02  0.02  0.02  0.02  0.02  0.02  0.02
[1] "Proportion of Acc_AblPln systems with a ending: 0.3"
[1] "Nom_Acc_Abl_Pl_n_systems"

      s      -    -,e    a,e    -,a    -,s    a,-  -,a,e -,a,es
   0.18   0.12   0.10   0.08   0.06   0.06   0.06   0.02   0.02
   -,eo   -,es      a    a,i    a,o    e,-     es   es,e os,s,es
   0.02   0.02   0.02   0.02   0.02   0.02   0.02   0.02   0.02
    s,-   s,-,e  s,-,i s,as,es s,as,o    s,e
   0.02   0.02   0.02   0.02   0.02   0.02
[1] "Proportion of Nom_Acc_AblPln systems with a ending: 0.3"
[1] "Gen_Dat_Pl_n_systems"

   -    e    s   es    o  -,a    i    a
0.30 0.24 0.20 0.10 0.06 0.04 0.04 0.02
[1] "Proportion of Gen_DatPln systems with a ending: 0.06"
[1] "Pl_mf_systems"

 e,a  -,a   es    s s,as  s,a    -    e  e,es   eo es,a  -,es e,as    i  i,e
0.22 0.16 0.10 0.08 0.08 0.06 0.04 0.04 0.04 0.04 0.04 0.02 0.02 0.02 0.02
o,es
0.02
[1] "Proportion of Plmf systems with s ending: 0.46"
[1] "Nom_Acc_Pl_mf_systems"

  s,es   -,e     es   -,es     -   -,a  -,a,e  e,es s,-,es  s,a,e
  0.18  0.14   0.14   0.08   0.04  0.04   0.04  0.04   0.04   0.04
 -,s,e -,s,es    a,e      e  e,a,- es,-,e   es,e is,es  os,es      s
  0.02  0.02   0.02   0.02   0.02  0.02   0.02  0.02   0.02   0.02
   s,e
  0.02
[1] "Proportion of Nom_AccPlmf systems with s ending: 0.68"
[1] "Acc_Abl_Pl_mf_systems"

      es,e       -,e      s,es    -,es,e        es     -,a,es
      0.12       0.10      0.10      0.08      0.08       0.04
         e      e,es         -     -,a,e    -,e,eo     -,e,es
      0.04       0.04      0.02      0.02      0.02       0.02
    -,e,i -,e,s,ebos      -,es    -,es,a    -,es,i        e,a
      0.02       0.02      0.02      0.02      0.02       0.02
    e,a,s      e,eo    e,es,a     es,eo      es,s          s
      0.02       0.02      0.02      0.02      0.02       0.02
      s,e    s,es,e s,es,ebos   s,es,eo
      0.02       0.02      0.02      0.02
[1] "Proportion of Acc_AblPlmf systems with s ending: 0.74"
[1] "Nom_Acc_Abl_Pl_mf_systems"
```

s,es	-,e	es,e	es	-,a,es	-,es,e
0.12	0.10	0.10	0.06	0.04	0.04
e,es	-	-,a,e	-,a,e,es	-,e,eo	-,e,es
0.04	0.02	0.02	0.02	0.02	0.02
-,e,i	-,es	-,es,a	-,s,e,ebos	-,s,es,e	a,e
0.02	0.02	0.02	0.02	0.02	0.02
e	e,a,-	es,-,e	is,es,eo	os,es	s
0.02	0.02	0.02	0.02	0.02	0.02
s,-,es,e	s,-,es,i	s,a,e	s,a,e,eo	s,e	s,es,e
0.02	0.02	0.02	0.02	0.02	0.02
s,es,ebos	s,es,eo				
0.02	0.02				

[1] "Proportion of Nom_Acc_AblPlmf systems with s ending: 0.76"
[1] "Gen_Dat_Pl_mf_systems"

e	es	-,e	s	-	eo	-,a
0.22	0.12	0.10	0.08	0.06	0.06	0.04
e,a	i	s,es	-,es	e,a,-	e,a,es	e,es
0.04	0.04	0.04	0.02	0.02	0.02	0.02
es,-,e	es,as	o	s,a,-	s,e	s,ebos,es	
0.02	0.02	0.02	0.02	0.02	0.02	

[1] "Proportion of Gen_DatPlmf systems with s ending: 0.4"

$Nom_Acc_Sg_same
[1] "10%"

$Acc_Abl_Sg_same
[1] "74%"

$Nom_Acc_Abl_Sg_same
[1] "8%"

$Gen_Dat_Sg_same
[1] "54%"

$m_Sg_n_Sg_same
[1] "50%"

$Pl_same
[1] "6%"

$Nom_Acc_Pl_same
[1] "28%"

$Acc_Abl_Pl_same
[1] "28%"

$Nom_Acc_Abl_Pl_same
[1] "8%"

$Gen_Dat_Pl_same
[1] "68%"

$m_Pl_f_Pl_same

```
[1] "6%"

$m_Pl_n_Pl_same
[1] "26%"

$n_Pl_f_Sg_same
[1] "4%"

$n_Pl_f_Pl_same
[1] "8%"

$m_n_same
[1] "18%"

$Dec_24_same
[1] "100%"
```