

Aggregate Data

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

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

[1] "Sg_systems"

e - es i o s
0.62 0.26 0.06 0.02 0.02 0.02

[1] "Proportion of Sg systems without s ending: 0.92"

[1] "Nom_Acc_Sg_systems"

e o -,o - -,e
0.40 0.28 0.24 0.04 0.04

[1] "Proportion of Nom_AccSg systems without s ending: 1"

[1] "Acc_Abl_Sg_systems"

o e - o,e
0.50 0.44 0.04 0.02

[1] "Proportion of Acc_AblSg systems without s ending: 1"

[1] "Nom_Acc_Abl_Sg_systems"

e o -,o - -,e -,o,e
0.40 0.28 0.22 0.04 0.04 0.02

[1] "Proportion of Nom_Acc_AblSg systems without s ending: 1"

[1] "Gen_Dat_Sg_systems"

e - -,e es s i
0.52 0.22 0.10 0.10 0.04 0.02

[1] "Proportion of Gen_DatSg systems without s ending: 0.86"

[1] "Sg_1_systems"

a - e
0.88 0.10 0.02

[1] "Proportion of Sg1 systems with a ending: 0.88"

[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 a,- a,e
0.88 0.10 0.02

[1] "Proportion of Acc_AblSg1 systems with a ending: 1"

[1] "Nom_Acc_Abl_Sg_1_systems"

a a,- a,e
0.88 0.10 0.02

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[1] "Proportion of Nom_Acc_AblSg1 systems with a ending: 1"
[1] "Gen_Dat_Sg_1_systems"

    e    - -,e    es    s    i
0.52 0.22 0.10 0.10 0.04 0.02
[1] "Proportion of Gen_DatSg1 systems with a ending: 0"
[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
1
[1] "Proportion of Acc_AblSg2 systems with o ending: 1"
[1] "Nom_Acc_Abl_Sg_2_systems"
o
1
[1] "Proportion of Nom_Acc_AblSg2 systems with o ending: 1"
[1] "Gen_Dat_Sg_2_systems"

    -    s    e    o    es    i
0.60 0.16 0.08 0.08 0.04 0.04
[1] "Proportion of Gen_DatSg2 systems with o ending: 0.08"
[1] "Sg_3_systems"

    e    -    es    i    s
0.86 0.06 0.04 0.02 0.02
[1] "Proportion of Sg3 systems with e ending: 0.92"
[1] "Nom_Acc_Sg_3_systems"

    e    -,e    -    s,e
0.66 0.28 0.04 0.02
[1] "Proportion of Nom_AccSg3 systems with e ending: 1"
[1] "Acc_Abl_Sg_3_systems"

    e    -
0.96 0.04
[1] "Proportion of Acc_AblSg3 systems with e ending: 1"
[1] "Nom_Acc_Abl_Sg_3_systems"

    e    -,e    -    s,e
0.66 0.28 0.04 0.02
[1] "Proportion of Nom_Acc_AblSg3 systems with e ending: 1"
[1] "Gen_Dat_Sg_3_systems"

    e    es    -,e    -    i s,es
0.80 0.10 0.04 0.02 0.02 0.02
[1] "Proportion of Gen_DatSg3 systems with e ending: 0.86"
[1] "Sg_4_systems"

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o    os
0.98 0.02
[1] "Proportion of Sg4 systems with o ending: 0.98"
[1] "Nom_Acc_Sg_4_systems"

o    os
0.98 0.02
[1] "Proportion of Nom_AccSg4 systems with o ending: 0.98"
[1] "Acc_Abl_Sg_4_systems"

o    os
0.98 0.02
[1] "Proportion of Acc_AblSg4 systems with o ending: 0.98"
[1] "Nom_Acc_Abl_Sg_4_systems"

o    os
0.98 0.02
[1] "Proportion of Nom_Acc_AblSg4 systems with o ending: 0.98"
[1] "Gen_Dat_Sg_4_systems"

-    s    o    e    es    i    os
0.60 0.14 0.12 0.04 0.04 0.04 0.02
[1] "Proportion of Gen_DatSg4 systems with o ending: 0.12"
[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    s,e
0.66 0.24 0.04 0.04 0.02
[1] "Proportion of Nom_AccSg5 systems with e ending: 0.92"
[1] "Acc_Abl_Sg_5_systems"

e    -    es
0.92 0.04 0.04
[1] "Proportion of Acc_AblSg5 systems with e ending: 0.92"
[1] "Nom_Acc_Abl_Sg_5_systems"

e    -,e    -    es    s,e
0.66 0.24 0.04 0.04 0.02
[1] "Proportion of Nom_Acc_AblSg5 systems with e ending: 0.92"
[1] "Gen_Dat_Sg_5_systems"

e    es    -,e    -    i    s,es
0.80 0.10 0.04 0.02 0.02 0.02
[1] "Proportion of Gen_DatSg5 systems with e ending: 0.84"
[1] "Sg_m_systems"

e    o    -    es    i    os    s
0.74 0.12 0.06 0.02 0.02 0.02 0.02
[1] "Proportion of Sgm systems with oe ending: 0.92"
[1] "Nom_Acc_Sg_m_systems"

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o e
0.98 0.02
[1] "Proportion of Nom_AccSgm systems with oe ending: 1"
[1] "Acc_Abl_Sg_m_systems"

o e
0.98 0.02
[1] "Proportion of Acc_AblSgm systems with oe ending: 1"
[1] "Nom_Acc_Abl_Sg_m_systems"

o e
0.98 0.02
[1] "Proportion of Nom_Acc_AblSgm systems with oe ending: 1"
[1] "Gen_Dat_Sg_m_systems"

- s e o es i
0.58 0.14 0.10 0.08 0.06 0.04
[1] "Proportion of Gen_DatSgm systems with oe ending: 0.76"
[1] "Sg_f_systems"

e es - i s
0.80 0.10 0.06 0.02 0.02
[1] "Proportion of Sgf systems with ae ending: 0.86"
[1] "Nom_Acc_Sg_f_systems"

e -,e - a,e -,a a es
0.64 0.22 0.04 0.04 0.02 0.02 0.02
[1] "Proportion of Nom_AccSgf systems with ae ending: 0.98"
[1] "Acc_Abl_Sg_f_systems"

e - a es
0.90 0.04 0.04 0.02
[1] "Proportion of Acc_AblSgf systems with ae ending: 0.98"
[1] "Nom_Acc_Abl_Sg_f_systems"

e -,e - a,e -,a a es
0.64 0.22 0.04 0.04 0.02 0.02 0.02
[1] "Proportion of Nom_Acc_AblSgf systems with ae ending: 0.98"
[1] "Gen_Dat_Sg_f_systems"

e - -,e es i s,es
0.54 0.20 0.12 0.10 0.02 0.02
[1] "Proportion of Gen_DatSgf systems with ae ending: 0.86"
[1] "Sg_n_systems"

- o e es i s
0.44 0.38 0.08 0.04 0.04 0.02
[1] "Proportion of Sgn systems with oe ending: 0.9"
[1] "Nom_Acc_Sg_n_systems"

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

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o
1
[1] "Proportion of Acc_AblSgn systems with oe ending: 1"
[1] "Nom_Acc_Abl_Sg_n_systems"
o
1
[1] "Proportion of Nom_Acc_AblSgn systems with oe ending: 1"
[1] "Gen_Dat_Sg_n_systems"

- s e o es i
0.60 0.16 0.08 0.08 0.04 0.04
[1] "Proportion of Gen_DatSgn systems with oe ending: 0.76"
[1] "Sg_mf_systems"

e - o,e o,es es i os,es s
0.74 0.06 0.06 0.06 0.02 0.02 0.02 0.02
[1] "Proportion of Sgmf systems with aoe ending: 0.92"
[1] "Nom_Acc_Sg_mf_systems"

o,e o,-,e o,- o,a,e e,es o,-,a o,a
0.64 0.22 0.04 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 o,- o,a e,es
0.90 0.04 0.04 0.02
[1] "Proportion of Acc_AblSgmf systems with aoe ending: 1"
[1] "Nom_Acc_Abl_Sg_mf_systems"

o,e o,-,e o,- o,a,e e,es o,-,a o,a
0.64 0.22 0.04 0.04 0.02 0.02 0.02
[1] "Proportion of Nom_Acc_AblSgmf systems with aoe ending: 1"
[1] "Gen_Dat_Sg_mf_systems"

-,e - s,e e es o,e -,es i i,e o,es s,es
0.36 0.20 0.12 0.10 0.06 0.06 0.02 0.02 0.02 0.02
[1] "Proportion of Gen_DatSgmf systems with aoe ending: 0.9"
[1] "Pl_systems"

e - s es i o
0.32 0.28 0.20 0.16 0.02 0.02
[1] "Proportion of Pl systems with s ending: 0.36"
[1] "Nom_Acc_Pl_systems"

e - s es a -,a s,es as s,as
0.24 0.20 0.16 0.12 0.10 0.06 0.06 0.04 0.02
[1] "Proportion of Nom_AccPl systems with s ending: 0.4"
[1] "Acc_Abl_Pl_systems"

e - a es s as a,- es,a es,s s,o
0.24 0.20 0.14 0.14 0.14 0.06 0.02 0.02 0.02 0.02
[1] "Proportion of Acc_AblPl systems with s ending: 0.4"
[1] "Nom_Acc_Abl_Pl_systems"

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e	-	s	a	es	-,a	as	s,es	es,s	s,as
0.24	0.20	0.14	0.10	0.10	0.06	0.04	0.04	0.02	0.02

s,es,a s,o
0.02 0.02

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

e	es	-	s	-,e	eo	i	s,es
0.40	0.22	0.12	0.12	0.08	0.02	0.02	0.02

[1] "Proportion of Gen_DatPl systems with s ending: 0.36"
[1] "Pl_1_systems"

a	as	-	s	e
0.50	0.32	0.08	0.08	0.02

[1] "Proportion of Pl1 systems with s ending: 0.4"
[1] "Nom_Acc_Pl_1_systems"

a	as	s	-
0.60	0.34	0.04	0.02

[1] "Proportion of Nom_AccPl1 systems with s ending: 0.38"
[1] "Acc_Abl_Pl_1_systems"

a	as	a,-	s	-	a,e	a,s	as,ao	as,s
0.50	0.30	0.06	0.04	0.02	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,-	s	-	a,e	a,s	as,ao	as,s
0.50	0.30	0.06	0.04	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"

e	es	-	s	-,e	a	eo	i	s,es
0.36	0.22	0.14	0.12	0.08	0.02	0.02	0.02	0.02

[1] "Proportion of Gen_DatPl1 systems with s ending: 0.36"
[1] "Pl_2_systems"

-	s	e	o	a	es	as
0.48	0.30	0.06	0.06	0.04	0.04	0.02

[1] "Proportion of Pl2 systems with s ending: 0.36"
[1] "Nom_Acc_Pl_2_systems"

-	s	a	as	-,o	a,as	e	o
0.32	0.26	0.24	0.10	0.02	0.02	0.02	0.02

[1] "Proportion of Nom_AccPl2 systems with s ending: 0.38"
[1] "Acc_Abl_Pl_2_systems"

-	s	a	as	a,-	as,s	e	o	o,-	s,o
0.32	0.24	0.20	0.10	0.04	0.02	0.02	0.02	0.02	0.02

[1] "Proportion of Acc_AblPl2 systems with s ending: 0.38"
[1] "Nom_Acc_Abl_Pl_2_systems"

-	s	a	as	a,-	-,o	a,as	as,s	e	o	s,o
0.32	0.24	0.20	0.08	0.04	0.02	0.02	0.02	0.02	0.02	0.02

[1] "Proportion of Nom_Acc_AblPl2 systems with s ending: 0.38"
 [1] "Gen_Dat_Pl_2_systems"

- s e es o as i
 0.44 0.32 0.10 0.06 0.04 0.02 0.02

[1] "Proportion of Gen_DatPl2 systems with s ending: 0.4"
 [1] "Pl_3_systems"

e es - eo i
 0.54 0.36 0.06 0.02 0.02

[1] "Proportion of Pl3 systems with s ending: 0.36"
 [1] "Nom_Acc_Pl_3_systems"

e es -,e s,es -
 0.42 0.28 0.14 0.12 0.04

[1] "Proportion of Nom_AccPl3 systems with s ending: 0.4"
 [1] "Acc_Abl_Pl_3_systems"

e es - es,eo
 0.56 0.38 0.04 0.02

[1] "Proportion of Acc_AblPl3 systems with s ending: 0.4"
 [1] "Nom_Acc_Abl_Pl_3_systems"

e es -,e s,es - es,eo
 0.42 0.26 0.14 0.12 0.04 0.02

[1] "Proportion of Nom_Acc_AblPl3 systems with s ending: 0.4"
 [1] "Gen_Dat_Pl_3_systems"

e es - -,e eo i s,es
 0.54 0.34 0.04 0.02 0.02 0.02 0.02

[1] "Proportion of Gen_DatPl3 systems with s ending: 0.36"
 [1] "Pl_4_systems"

- s o e es os
 0.48 0.34 0.12 0.02 0.02 0.02

[1] "Proportion of Pl4 systems with s ending: 0.38"
 [1] "Nom_Acc_Pl_4_systems"

- s o -,o e es os
 0.46 0.36 0.10 0.02 0.02 0.02 0.02

[1] "Proportion of Nom_AccPl4 systems with s ending: 0.4"
 [1] "Acc_Abl_Pl_4_systems"

- s o e es o,- os s,o
 0.46 0.34 0.10 0.02 0.02 0.02 0.02 0.02

[1] "Proportion of Acc_AblPl4 systems with s ending: 0.4"
 [1] "Nom_Acc_Abl_Pl_4_systems"

- s o -,o e es os s,o
 0.46 0.34 0.10 0.02 0.02 0.02 0.02 0.02

[1] "Proportion of Nom_Acc_AblPl4 systems with s ending: 0.4"
 [1] "Gen_Dat_Pl_4_systems"

- s e es o i

```

0.40 0.32 0.12 0.10 0.04 0.02
[1] "Proportion of Gen_DatPl4 systems with s ending: 0.42"
[1] "Pl_5_systems"

e es - eo
0.60 0.34 0.04 0.02
[1] "Proportion of Pl5 systems with s ending: 0.34"
[1] "Nom_Acc_Pl_5_systems"

e es -,e s,es - s,e
0.42 0.30 0.14 0.08 0.04 0.02
[1] "Proportion of Nom_AccPl5 systems with s ending: 0.4"
[1] "Acc_Abl_Pl_5_systems"

e es - es,eo
0.58 0.36 0.04 0.02
[1] "Proportion of Acc_AblPl5 systems with s ending: 0.38"
[1] "Nom_Acc_Abl_Pl_5_systems"

e es -,e s,es - es,eo s,e
0.42 0.28 0.14 0.08 0.04 0.02 0.02
[1] "Proportion of Nom_Acc_AblPl5 systems with s ending: 0.4"
[1] "Gen_Dat_Pl_5_systems"

e es - -,e eo i s,es
0.56 0.32 0.04 0.02 0.02 0.02 0.02
[1] "Proportion of Gen_DatPl5 systems with s ending: 0.34"
[1] "Pl_m_systems"

- s e es o
0.40 0.32 0.14 0.10 0.04
[1] "Proportion of Plm systems with s ending: 0.42"
[1] "Nom_Acc_Pl_m_systems"

- s es e o -,o s,es
0.42 0.34 0.08 0.06 0.06 0.02 0.02
[1] "Proportion of Nom_AccPlm systems with s ending: 0.44"
[1] "Acc_Abl_Pl_m_systems"

- s es e o es,- o,- s,o
0.42 0.32 0.08 0.06 0.06 0.02 0.02 0.02
[1] "Proportion of Acc_AblPlm systems with s ending: 0.44"
[1] "Nom_Acc_Abl_Pl_m_systems"

- s es e o -,o s,es,- s,o
0.42 0.32 0.08 0.06 0.06 0.02 0.02 0.02
[1] "Proportion of Nom_Acc_AblPlm systems with s ending: 0.44"
[1] "Gen_Dat_Pl_m_systems"

- s e es o i
0.38 0.32 0.14 0.10 0.04 0.02
[1] "Proportion of Gen_DatPlm systems with s ending: 0.42"
[1] "Pl_f_systems"

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```

e es - s eo i
0.54 0.32 0.06 0.04 0.02 0.02
[1] "Proportion of Plf systems with s ending: 0.36"
[1] "Nom_Acc_Pl_f_systems"

e es -,e s,es - -,a as,es s,as
0.42 0.28 0.12 0.08 0.04 0.02 0.02 0.02
[1] "Proportion of Nom_AccPlf systems with s ending: 0.4"
[1] "Acc_Abl_Pl_f_systems"

e es - e,- a as es,eo
0.50 0.36 0.04 0.04 0.02 0.02 0.02
[1] "Proportion of Acc_AblPlf systems with s ending: 0.4"
[1] "Nom_Acc_Abl_Pl_f_systems"

e es -,e s,es - -,a as,es e,- es,eo s,as
0.40 0.26 0.12 0.08 0.04 0.02 0.02 0.02 0.02 0.02
[1] "Proportion of Nom_Acc_AblPlf systems with s ending: 0.4"
[1] "Gen_Dat_Pl_f_systems"

e es - -,e s,es eo i
0.42 0.30 0.12 0.08 0.04 0.02 0.02
[1] "Proportion of Gen_DatPlf systems with s ending: 0.34"
[1] "Pl_n_systems"

- s a as e o es
0.36 0.26 0.12 0.12 0.08 0.04 0.02
[1] "Proportion of Pln systems with a ending: 0.12"
[1] "Nom_Acc_Pl_n_systems"

- s a as -,o a,as e o
0.32 0.26 0.24 0.10 0.02 0.02 0.02 0.02
[1] "Proportion of Nom_AccPln systems with a ending: 0.26"
[1] "Acc_Abl_Pl_n_systems"

- s a as a,- as,s e o o,- s,o
0.32 0.24 0.20 0.10 0.04 0.02 0.02 0.02 0.02 0.02
[1] "Proportion of Acc_AblPln systems with a ending: 0.24"
[1] "Nom_Acc_Abl_Pl_n_systems"

- s a as a,- -,o a,as as,s e o s,o
0.32 0.24 0.20 0.08 0.04 0.02 0.02 0.02 0.02 0.02 0.02
[1] "Proportion of Nom_Acc_AblPln systems with a ending: 0.26"
[1] "Gen_Dat_Pl_n_systems"

- s e es o as i
0.44 0.32 0.10 0.06 0.04 0.02 0.02
[1] "Proportion of Gen_DatPln systems with a ending: 0"
[1] "Pl_mf_systems"

-,e s,es e es s,e - -,es s -,i o,e o,eo
0.28 0.18 0.14 0.10 0.10 0.06 0.04 0.04 0.02 0.02 0.02
[1] "Proportion of Plmf systems with s ending: 0.46"
[1] "Nom_Acc_Pl_mf_systems"

```

- ,e	s ,es	s ,e	es	e	- ,es	o ,e	-	- ,a
0.34	0.22	0.10	0.08	0.06	0.04	0.04	0.02	0.02
- ,o	o ,es	s ,as	s ,as ,es					
0.02	0.02	0.02	0.02					

[1] "Proportion of Nom_AccPlmf systems with s ending: 0.5"

[1] "Acc_Abl_Pl_mf_systems"

- ,e	s ,es	s ,e	es	e	- ,es	o ,e
0.34	0.20	0.10	0.08	0.06	0.04	0.04
-	- ,a	es , -	o , -	o ,es	s ,as	s ,es , o ,eo
0.02	0.02	0.02	0.02	0.02	0.02	0.02

[1] "Proportion of Acc_AblPlmf systems with s ending: 0.5"

[1] "Nom_Acc_Abl_Pl_mf_systems"

- ,e	s ,es	s ,e	es	e	- ,es	o ,e
0.34	0.18	0.10	0.08	0.06	0.04	0.04
-	- ,a	- ,o	o ,es	s ,as	s ,as ,es	s ,es , -
0.02	0.02	0.02	0.02	0.02	0.02	0.02

s ,es , o ,eo

0.02

[1] "Proportion of Nom_Acc_AblPlmf systems with s ending: 0.5"

[1] "Gen_Dat_Pl_mf_systems"

- ,e	s ,es	e	-	es	s ,e	- ,es	i	o ,e	o ,eo
0.24	0.22	0.14	0.12	0.10	0.10	0.02	0.02	0.02	0.02

[1] "Proportion of Gen_DatPlmf systems with s ending: 0.44"

\$Nom_Acc_Sg_same

[1] "70%"

\$Acc_Abl_Sg_same

[1] "88%"

\$Nom_Acc_Abl_Sg_same

[1] "62%"

\$Gen_Dat_Sg_same

[1] "94%"

\$m_Sg_n_Sg_same

[1] "60%"

\$Pl_same

[1] "4%"

\$Nom_Acc_Pl_same

[1] "70%"

\$Acc_Abl_Pl_same

[1] "84%"

\$Nom_Acc_Abl_Pl_same

[1] "60%"

```
$Gen_Dat_Pl_same  
[1] "96%"
```

```
$m_Pl_f_Pl_same  
[1] "4%"
```

```
$m_Pl_n_Pl_same  
[1] "38%"
```

```
$n_Pl_f_Sg_same  
[1] "6%"
```

```
$n_Pl_f_Pl_same  
[1] "16%"
```

```
$m_n_same  
[1] "38%"
```

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