RIVERSIDE Verb Declension Analysis Summary

# Exceptions

Total exceptions found: 5994

# Ending Distribution by Tag

**adv:** other=6318 (52.8%) -e=2201 (18.4%) -t=1601 (13.4%) vowel=1760 (14.7%) -d=65 (0.5%) -en=23 (0.2%) -eth=1 (0.0%) -ed=1 (0.0%)

**indef\_art:** vowel=2520 (94.0%) other=159 (5.9%) -t=1 (0.0%) -e=2 (0.1%)

**adj:** -t=447 (8.6%) -e=2264 (43.5%) other=1907 (36.7%) -en=58 (1.1%) -d=318 (6.1%) vowel=23 (0.4%) -ed=182 (3.5%)

**n:** -e=6648 (46.0%) other=5289 (36.6%) -t=1263 (8.7%) -d=789 (5.5%) vowel=257 (1.8%) -en=85 (0.6%) -ed=24 (0.2%) -eth=87 (0.6%)

**prep:** other=8567 (79.3%) vowel=1511 (14.0%) -t=326 (3.0%) -e=269 (2.5%) -en=112 (1.0%) -d=19 (0.2%) -ed=1 (0.0%)

**v%ppl\_abs:** -ed=83 (43.0%) -en=12 (6.2%) -d=13 (6.7%) -t=28 (14.5%) other=21 (10.9%) -e=31 (16.1%) vowel=5 (2.6%)

**art&gram\_adj:** -t=344 (99.4%) -e=1 (0.3%) other=1 (0.3%)

**conj:** -d=6158 (49.8%) other=4064 (32.9%) -t=2075 (16.8%) vowel=38 (0.3%) -e=27 (0.2%) -en=6 (0.0%)

**pron%gen:** other=4358 (96.8%) vowel=123 (2.7%) -t=2 (0.0%) -e=20 (0.4%) -d=1 (0.0%)

**def\_art:** -e=3875 (99.9%) other=2 (0.1%) -t=1 (0.0%)

**n2:** -e=460 (60.3%) other=203 (26.6%) -d=53 (6.9%) -t=40 (5.2%) vowel=2 (0.3%) -ed=5 (0.7%)

**n%pl:** -en=460 (16.6%) other=2290 (82.7%) -t=18 (0.6%) -e=2 (0.1%)

**v%pt\_pl:** -e=430 (63.2%) -ed=33 (4.9%) -en=179 (26.3%) other=21 (3.1%) -t=2 (0.3%) -d=13 (1.9%) vowel=2 (0.3%)

**v%inf:** -e=4270 (76.7%) other=419 (7.5%) vowel=189 (3.4%) -en=687 (12.3%) -d=1 (0.0%) -t=3 (0.1%)

**pron:** -t=3224 (68.7%) other=1275 (27.2%) -e=140 (3.0%) -en=48 (1.0%) vowel=3 (0.1%)

**v%pt\_3:** other=2109 (36.5%) -d=807 (14.0%) -e=2456 (42.5%) -ed=290 (5.0%) -t=113 (2.0%) vowel=3 (0.1%) -eth=1 (0.0%)

**n1:** -e=1271 (60.5%) other=398 (19.0%) -d=96 (4.6%) -t=166 (7.9%) -ed=147 (7.0%) -eth=9 (0.4%) -en=8 (0.4%) vowel=5 (0.2%)

**gram\_adj:** other=2833 (69.6%) -e=482 (11.8%) vowel=634 (15.6%) -t=119 (2.9%)

**n#adj:** -e=77 (39.9%) other=105 (54.4%) -d=8 (4.1%) -en=1 (0.5%) -t=2 (1.0%)

**v%pr\_3:** other=2733 (61.6%) -e=628 (14.2%) -t=291 (6.6%) -eth=767 (17.3%) -ed=1 (0.0%) vowel=16 (0.4%)

**part:** vowel=2160 (79.2%) -t=559 (20.5%) -e=4 (0.1%) -eth=2 (0.1%) other=1 (0.0%)

**pron%pl\_gen:** -e=790 (74.0%) other=278 (26.0%)

**gram\_adj%pl:** -e=163 (84.9%) vowel=26 (13.5%) other=3 (1.6%)

**n%gen:** other=397 (99.7%) -e=1 (0.3%)

**num\_adj:** -en=21 (3.2%) -e=274 (41.3%) -d=46 (6.9%) vowel=217 (32.7%) other=76 (11.5%) -ed=26 (3.9%) -t=3 (0.5%)

**n#propn%gen:** other=93 (100.0%)

**pron%obj:** other=1051 (44.8%) -e=1294 (55.1%) -t=1 (0.0%) -ed=1 (0.0%)

**v%ppl:** -t=361 (17.8%) -d=240 (11.8%) -en=194 (9.5%) -ed=651 (32.0%) -e=285 (14.0%) other=260 (12.8%) vowel=42 (2.1%)

**interj:** -e=64 (7.3%) vowel=433 (49.4%) other=335 (38.2%) -t=42 (4.8%) -en=1 (0.1%) -d=1 (0.1%)

**pron%nom:** -e=4045 (50.9%) vowel=3524 (44.4%) other=371 (4.7%) -t=5 (0.1%)

**pron%fem\_gen:** other=422 (49.5%) -e=431 (50.5%)

**adj1:** -e=303 (90.4%) other=30 (9.0%) -t=1 (0.3%) -en=1 (0.3%)

**n2#propn:** other=35 (56.5%) -e=17 (27.4%) -en=2 (3.2%) vowel=7 (11.3%) -t=1 (1.6%)

**n#propn:** -t=31 (1.8%) other=988 (57.9%) vowel=116 (6.8%) -e=535 (31.4%) -en=9 (0.5%) -d=18 (1.1%) -eth=7 (0.4%) -ed=1 (0.1%)

**v%prp\_abs:** -e=90 (83.3%) other=18 (16.7%)

**lat\_adj:** vowel=4 (100.0%)

**lat\_n:** other=11 (64.7%) vowel=5 (29.4%) -e=1 (5.9%)

**adv%comp:** other=111 (38.4%) -e=115 (39.8%) -t=44 (15.2%) vowel=19 (6.6%)

**n3:** -e=106 (66.7%) other=18 (11.3%) -ed=1 (0.6%) -t=33 (20.8%) -en=1 (0.6%)

**adj%comp:** other=92 (31.5%) -t=18 (6.2%) -e=132 (45.2%) vowel=50 (17.1%)

**pron%fem\_obj:** -e=385 (85.0%) other=68 (15.0%)

**prep#adv:** other=585 (99.8%) vowel=1 (0.2%)

**adv&conj:** other=843 (91.2%) -e=41 (4.4%) vowel=27 (2.9%) -en=12 (1.3%) -t=1 (0.1%)

**pron%pl\_nom:** -e=1018 (63.5%) other=567 (35.3%) vowel=18 (1.1%) -t=1 (0.1%)

**v%pr\_pl:** -e=534 (32.5%) other=597 (36.4%) -en=450 (27.4%) vowel=35 (2.1%) -t=24 (1.5%) -eth=1 (0.1%) -d=1 (0.1%)

**v%pr\_1:** -e=837 (50.0%) other=727 (43.5%) vowel=38 (2.3%) -t=71 (4.2%)

**prp\_abs:** -e=1 (100.0%)

**prep2:** vowel=17 (100.0%)

**ger:** other=131 (52.2%) -e=120 (47.8%)

**ppl#adj:** -ed=38 (69.1%) -e=7 (12.7%) -t=5 (9.1%) -en=2 (3.6%) other=2 (3.6%) -d=1 (1.8%)

**v%pr\_2\_pron:** other=134 (93.1%) vowel=8 (5.6%) -e=1 (0.7%) -t=1 (0.7%)

**n1#propn:** other=159 (20.3%) -d=428 (54.7%) vowel=15 (1.9%) -e=178 (22.7%) -t=3 (0.4%)

**pron\_gram\_adj:** other=360 (86.7%) vowel=6 (1.4%) -e=49 (11.8%)

**adj#n%sup:** -e=51 (96.2%) -t=2 (3.8%)

**interj#n:** other=11 (100.0%)

**v%pr\_2:** -t=360 (78.6%) -e=78 (17.0%) other=10 (2.2%) vowel=9 (2.0%) -d=1 (0.2%)

**ger1:** other=15 (46.9%) -e=17 (53.1%)

**n8:** -e=9 (100.0%)

**v%pt\_3\_neg:** -e=45 (43.7%) other=57 (55.3%) vowel=1 (1.0%)

**pron%pl\_obj:** other=1307 (98.4%) vowel=14 (1.1%) -e=6 (0.5%) -t=1 (0.1%)

**adj2:** other=78 (65.5%) -e=28 (23.5%) -t=12 (10.1%) -ed=1 (0.8%)

**v%imp:** other=220 (23.1%) -e=300 (31.5%) -eth=191 (20.1%) -t=130 (13.7%) vowel=69 (7.2%) -d=32 (3.4%) -ed=9 (0.9%) -en=1 (0.1%)

**v%pt\_1:** -e=277 (53.7%) other=166 (32.2%) -t=7 (1.4%) -ed=23 (4.5%) -d=41 (7.9%) vowel=2 (0.4%)

**conj1:** -e=343 (69.4%) other=138 (27.9%) vowel=12 (2.4%) -d=1 (0.2%)

**v%pr\_1\_neg:** -t=24 (47.1%) other=26 (51.0%) -e=1 (2.0%)

**num\_n:** -e=70 (76.9%) vowel=14 (15.4%) -en=3 (3.3%) -d=2 (2.2%) -t=1 (1.1%) -ed=1 (1.1%)

**gram\_adjas\_n:** other=196 (92.0%) -e=15 (7.0%) -t=1 (0.5%) -en=1 (0.5%)

**v#adj%ppl:** -ed=66 (60.0%) -t=10 (9.1%) -en=10 (9.1%) -e=16 (14.5%) other=4 (3.6%) -d=4 (3.6%)

**n1#propn%gen:** other=107 (100.0%)

**ppl:** -ed=18 (78.3%) -t=2 (8.7%) -d=3 (13.0%)

**adv2:** vowel=61 (64.2%) other=34 (35.8%)

**adj%sup:** -t=30 (22.2%) -e=105 (77.8%)

**dash:** -d=17 (16.7%) vowel=21 (20.6%) -e=14 (13.7%) other=36 (35.3%) -t=11 (10.8%) -ed=3 (2.9%)

**adv%sup:** -t=118 (90.1%) -e=12 (9.2%) other=1 (0.8%)

**v1&%inf:** -en=2 (40.0%) -e=3 (60.0%)

**v1#adj%ppl:** other=3 (15.8%) -ed=7 (36.8%) -e=8 (42.1%) -d=1 (5.3%)

**adv1:** other=17 (73.9%) -e=2 (8.7%) vowel=3 (13.0%) -d=1 (4.3%)

**n4:** -e=14 (50.0%) other=12 (42.9%) -t=2 (7.1%)

**adj#n%pl:** -e=4 (100.0%)

**adv#interj:** other=7 (77.8%) vowel=2 (22.2%)

**adj#prep:** other=1 (100.0%)

**adv&adj:** -e=20 (83.3%) other=4 (16.7%)

**lat\_pron:** vowel=2 (50.0%) -e=1 (25.0%) other=1 (25.0%)

**v%prp:** -e=10 (83.3%) other=2 (16.7%)

**pron%pl:** -e=8 (24.2%) other=12 (36.4%) vowel=11 (33.3%) -en=2 (6.1%)

**num\_conj:** -e=66 (94.3%) other=4 (5.7%)

**ppl#adj\_n:** -ed=1 (100.0%)

**adj1#n:** other=1 (100.0%)

**adjas\_n%sup:** -t=12 (21.4%) -e=44 (78.6%)

**v%pr\_3\_neg:** other=85 (95.5%) -t=4 (4.5%)

**v%pt\_2:** -e=20 (32.3%) other=7 (11.3%) -t=35 (56.5%)

**adj#n:** -e=26 (63.4%) other=12 (29.3%) -t=2 (4.9%) -en=1 (2.4%)

**pron%gen\_abs:** other=8 (80.0%) -e=2 (20.0%)

**adj3:** other=31 (100.0%)

**v%pr\_2\_neg:** -t=6 (100.0%)

**v2#adj%ppl:** -ed=6 (75.0%) -t=2 (25.0%)

**adj1#n%sup:** -e=16 (100.0%)

**pron\_impers:** -en=11 (100.0%)

**prp#adj:** other=2 (33.3%) -e=4 (66.7%)

**advas\_adj:** -e=36 (100.0%)

**adv#conj:** -en=1 (100.0%)

**ger%pl:** other=22 (100.0%)

**pron%indef:** -e=15 (100.0%)

**lat\_prep:** other=2 (50.0%) -d=1 (25.0%) -e=1 (25.0%)

**n1#adj:** other=9 (60.0%) -e=5 (33.3%) -t=1 (6.7%)

**lat\_adv:** other=1 (100.0%)

**n3#propn:** other=72 (85.7%) -e=9 (10.7%) -t=2 (2.4%) -en=1 (1.2%)

**n%pl\_gen:** other=7 (100.0%)

**fr\_pron:** -e=2 (33.3%) other=3 (50.0%) vowel=1 (16.7%)

**fr\_v:** other=2 (100.0%)

**fr\_prep:** other=1 (100.0%)

**fr\_n:** -e=1 (100.0%)

**v%pt\_1\_neg:** -e=19 (90.5%) other=2 (9.5%)

**prep#conj:** -e=7 (100.0%)

**v%pt\_pl\_neg:** -en=1 (16.7%) -e=5 (83.3%)

**lat\_v:** -t=2 (66.7%) vowel=1 (33.3%)

**v%pt\_2\_neg:** -e=1 (100.0%)

**v%pt\_2\_pron:** vowel=1 (7.7%) other=12 (92.3%)

**n2#propn%gen:** other=2 (100.0%)

**n4#propn:** other=3 (75.0%) -e=1 (25.0%)

**v#adj%prp:** -e=16 (59.3%) other=10 (37.0%) -t=1 (3.7%)

**adj#adv:** other=4 (80.0%) -e=1 (20.0%)

**adj&adv:** -e=5 (71.4%) -t=2 (28.6%)

**n#propn%pl:** other=3 (100.0%)

**n5:** -e=2 (100.0%)

**ger2:** -e=2 (40.0%) other=3 (60.0%)

**pron1\_adj:** -e=10 (100.0%)

**adj%pl:** other=5 (100.0%)

**pron\_adj:** other=11 (91.7%) -e=1 (8.3%)

**v%pr\_2\_neg\_pron:** other=5 (100.0%)

**adv\_abs:** other=1 (100.0%)

**ppl\_abs:** -ed=9 (75.0%) -d=1 (8.3%) -t=2 (16.7%)

**n1#propn\_interj:** other=1 (50.0%) -e=1 (50.0%)

**pron%fem\_obj\_indef:** -e=1 (100.0%)

**adjas\_n:** -e=3 (75.0%) -d=1 (25.0%)

**v%imp\_2:** -e=1 (100.0%)

**ger3:** other=1 (50.0%) -e=1 (50.0%)

**adj2#n:** other=2 (100.0%)

**n#interj:** other=5 (83.3%) vowel=1 (16.7%)

**ger#adj:** other=1 (33.3%) -e=2 (66.7%)

**v1#adj%prp:** -e=2 (100.0%)

**adj#n\_propn:** -e=1 (100.0%)

**v#adj%ppl\_n:** -ed=1 (100.0%)

**adj#adv%sup:** -t=1 (100.0%)

**adv#n:** -e=2 (66.7%) other=1 (33.3%)

**n#propn\_adj:** -d=1 (100.0%)

**interj1&2:** other=4 (100.0%)

**pron%neut\_gen:** other=1 (100.0%)

**ger2#propn%pl:** other=1 (100.0%)

**n#adj%pl:** other=2 (100.0%)

**n6:** other=3 (100.0%)

**n#adv:** -t=5 (100.0%)

**n%sup:** -e=1 (100.0%)

**pron%contr:** other=2 (100.0%)

**v%pr\_pl\_neg:** other=3 (100.0%)

**adv#prep:** other=1 (100.0%)

**n1#propn\_adj:** -e=3 (100.0%)

**lat\_n#propn:** other=1 (100.0%)

**num\_n%gen:** other=1 (100.0%)

**v1&%pr\_3:** -eth=2 (100.0%)

**v#adv%prp:** other=1 (100.0%)

**n1#interj:** other=3 (100.0%)

**n4#propn\_adj:** -e=1 (100.0%)

**adj&advas\_n%comp:** -t=1 (100.0%)

**n2#adj:** -e=1 (100.0%)

**n5#propn:** other=15 (100.0%)

**fr\_adv:** vowel=1 (100.0%)

**pron%fem\_obj\_adj:** -e=1 (100.0%)

# Rule Success Rates

**Past plural ends in -en/-e:** 609 / 680 successes (89.6%)

**Infinitive ends in -en/-e:** 4957 / 5569 successes (89.0%)

**Present 3rd sg ends in -eth:** 767 / 4436 successes (17.3%)

**Weak pt sg ends in -ed/-d/-t:** 267 / 1136 successes (23.5%)

**Strong pt sg not -en/-e:** 730 / 774 successes (94.3%)

**Present plural ends in -en/-e:** 984 / 1642 successes (59.9%)

**Strong participle ends in -en/-e:** 260 / 331 successes (78.5%)