RIVERSIDE Verb Declension Analysis Summary

# Exceptions

Total exceptions found: 5850

# Ending Distribution by Tag

**adv:** other=5420 (45.4%) -e=2188 (18.3%) -t=1597 (13.4%) vowel=1755 (14.7%) -d=64 (0.5%) -ly=869 (7.3%) -lich=4 (0.0%) -li=4 (0.0%) -en=23 (0.2%) -lych=3 (0.0%) -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=2263 (43.6%) other=1764 (34.0%) -en=58 (1.1%) -d=317 (6.1%) -ly=136 (2.6%) vowel=23 (0.4%) -ed=182 (3.5%) -lich=2 (0.0%) -lych=1 (0.0%)

**n:** -e=6624 (46.1%) other=5258 (36.6%) -t=1256 (8.7%) -d=786 (5.5%) vowel=256 (1.8%) -en=85 (0.6%) -ed=24 (0.2%) -eth=86 (0.6%) -ly=7 (0.0%)

**prep:** other=8393 (79.5%) vowel=1450 (13.7%) -t=321 (3.0%) -e=260 (2.5%) -en=110 (1.0%) -d=19 (0.2%) -ed=1 (0.0%)

**v%ppl\_abs:** -ed=83 (43.2%) -en=11 (5.7%) -d=13 (6.8%) -t=28 (14.6%) 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=6138 (49.9%) other=4025 (32.7%) -t=2064 (16.8%) vowel=38 (0.3%) -e=27 (0.2%) -ly=1 (0.0%) -en=6 (0.0%)

**pron%gen:** other=4357 (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 (60.4%) other=202 (26.5%) -d=53 (7.0%) -t=40 (5.2%) vowel=2 (0.3%) -ed=5 (0.7%)

**n%pl:** -en=458 (16.6%) other=2279 (82.7%) -t=17 (0.6%) -e=2 (0.1%)

**v%pt\_pl:** -e=407 (62.7%) -ed=31 (4.8%) -en=175 (27.0%) other=19 (2.9%) -t=2 (0.3%) -d=13 (2.0%) vowel=2 (0.3%)

**v%inf:** -e=4181 (77.1%) other=406 (7.5%) vowel=187 (3.4%) -en=645 (11.9%) -t=3 (0.1%)

**pron:** -t=3203 (68.7%) other=1268 (27.2%) -e=140 (3.0%) -en=48 (1.0%) vowel=3 (0.1%)

**v%pt\_3:** other=2024 (36.9%) -d=788 (14.4%) -e=2308 (42.1%) -ed=252 (4.6%) -t=105 (1.9%) vowel=3 (0.1%) -eth=1 (0.0%)

**n1:** -e=1266 (60.6%) other=396 (18.9%) -d=96 (4.6%) -t=166 (7.9%) -ed=144 (6.9%) -eth=9 (0.4%) -en=8 (0.4%) vowel=5 (0.2%)

**gram\_adj:** other=2830 (69.6%) -e=481 (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=2710 (62.1%) -e=613 (14.1%) -t=283 (6.5%) -eth=739 (16.9%) -ed=1 (0.0%) vowel=16 (0.4%)

**part:** vowel=2159 (79.5%) -t=550 (20.3%) -e=3 (0.1%) -eth=2 (0.1%) other=1 (0.0%)

**pron%pl\_gen:** -e=789 (73.9%) other=278 (26.1%)

**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=92 (98.9%) -ly=1 (1.1%)

**pron%obj:** other=1048 (44.7%) -e=1293 (55.2%) -t=1 (0.0%) -ed=1 (0.0%)

**v%ppl:** -t=355 (17.7%) -d=236 (11.8%) -en=189 (9.4%) -ed=642 (32.1%) -e=281 (14.0%) other=258 (12.9%) 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=4014 (50.8%) vowel=3515 (44.5%) other=370 (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=30 (1.8%) other=983 (58.1%) vowel=116 (6.9%) -e=528 (31.2%) -en=9 (0.5%) -d=18 (1.1%) -ly=1 (0.1%) -eth=7 (0.4%) -ed=1 (0.1%)

**v%prp\_abs:** -e=81 (85.3%) other=14 (14.7%)

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

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

**adv%comp:** other=111 (38.5%) -e=114 (39.6%) -t=44 (15.3%) vowel=19 (6.6%)

**n3:** -e=106 (67.9%) other=18 (11.5%) -ed=1 (0.6%) -t=30 (19.2%) -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=383 (84.9%) other=68 (15.1%)

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

**adv&conj:** other=838 (91.6%) -e=37 (4.0%) vowel=27 (3.0%) -en=12 (1.3%) -t=1 (0.1%)

**pron%pl\_nom:** -e=1016 (63.6%) other=562 (35.2%) vowel=18 (1.1%) -t=1 (0.1%)

**v%pr\_pl:** -e=525 (32.3%) other=591 (36.4%) -en=447 (27.5%) vowel=35 (2.2%) -t=24 (1.5%) -eth=1 (0.1%) -d=1 (0.1%)

**v%pr\_1:** -e=820 (49.7%) other=721 (43.7%) vowel=38 (2.3%) -t=71 (4.3%)

**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=157 (20.3%) -d=424 (54.8%) vowel=15 (1.9%) -e=175 (22.6%) -t=3 (0.4%)

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

**adj#n%sup:** -e=50 (96.2%) -t=2 (3.8%)

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

**v%pr\_2:** -t=358 (78.5%) -e=78 (17.1%) 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=1305 (98.4%) vowel=14 (1.1%) -e=6 (0.5%) -t=1 (0.1%)

**adj2:** -ly=59 (49.6%) -e=28 (23.5%) -t=12 (10.1%) other=19 (16.0%) -ed=1 (0.8%)

**v%imp:** other=212 (23.3%) -e=288 (31.6%) -eth=185 (20.3%) -t=116 (12.7%) vowel=69 (7.6%) -d=28 (3.1%) -ly=2 (0.2%) -ed=9 (1.0%) -en=1 (0.1%)

**v%pt\_1:** -e=266 (54.0%) other=158 (32.0%) -t=7 (1.4%) -ed=20 (4.1%) -d=40 (8.1%) vowel=2 (0.4%)

**conj1:** -e=339 (69.2%) other=138 (28.2%) vowel=12 (2.4%) -d=1 (0.2%)

**v%pr\_1\_neg:** -t=24 (48.0%) other=25 (50.0%) -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%) -ly=23 (24.2%) other=11 (11.6%)

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

**dash:** -d=17 (16.8%) vowel=20 (19.8%) -e=14 (13.9%) other=36 (35.6%) -t=11 (10.9%) -ed=3 (3.0%)

**adv%sup:** -t=117 (90.0%) -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=13 (56.5%) -ly=4 (17.4%) -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=18 (30.5%) other=7 (11.9%) -t=34 (57.6%)

**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=14 (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:** -ly=1 (20.0%) other=3 (60.0%) -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:** -ly=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=14 (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:** 582 / 649 successes (89.7%)

**Infinitive ends in -en/-e:** 4826 / 5422 successes (89.0%)

**Present 3rd sg ends in -eth:** 739 / 4362 successes (16.9%)

**Weak pt sg ends in -ed/-d/-t:** 241 / 1044 successes (23.1%)

**Present plural ends in -en/-e:** 972 / 1624 successes (59.9%)

**Strong pt sg not -en/-e:** 674 / 714 successes (94.4%)

**Strong participle ends in -en/-e:** 254 / 323 successes (78.6%)