OXFORD Verb Declension Analysis Summary

# Exceptions

Total exceptions found: 5913

# Ending Distribution by Tag

**adv:** other=6872 (57.7%) -e=1631 (13.7%) -t=1593 (13.4%) vowel=1719 (14.4%) -d=64 (0.5%) -en=29 (0.2%) -eth=1 (0.0%) -ed=2 (0.0%)

**indef\_art:** vowel=2520 (94.3%) other=150 (5.6%) -t=1 (0.0%) -e=2 (0.1%)

**adj:** -t=446 (8.6%) -en=39 (0.8%) other=1956 (37.7%) -e=2244 (43.3%) -d=316 (6.1%) -ed=177 (3.4%) vowel=6 (0.1%)

**n:** -e=6486 (45.2%) other=5356 (37.3%) -t=1248 (8.7%) -d=783 (5.5%) vowel=259 (1.8%) -en=102 (0.7%) -ed=32 (0.2%) -eth=84 (0.6%)

**prep:** other=8400 (79.9%) vowel=1446 (13.8%) -t=327 (3.1%) -e=197 (1.9%) -en=112 (1.1%) -d=25 (0.2%) -eth=1 (0.0%) -ed=1 (0.0%)

**v%ppl\_abs:** -ed=80 (41.7%) -en=11 (5.7%) -d=14 (7.3%) -t=28 (14.6%) other=22 (11.5%) -e=32 (16.7%) vowel=5 (2.6%)

**art&gram\_adj:** -t=341 (99.4%) -e=1 (0.3%) other=1 (0.3%)

**conj:** -d=6123 (50.0%) other=4029 (32.9%) -t=2056 (16.8%) -e=10 (0.1%) vowel=32 (0.3%) -en=7 (0.1%)

**pron%gen:** other=4466 (99.4%) -e=20 (0.4%) vowel=5 (0.1%) -t=1 (0.0%)

**def\_art:** -e=3870 (99.9%) other=2 (0.1%) vowel=1 (0.0%) -t=1 (0.0%)

**n2:** -e=441 (58.1%) other=213 (28.1%) -d=47 (6.2%) -t=40 (5.3%) -ed=10 (1.3%) -en=6 (0.8%) vowel=2 (0.3%)

**n%pl:** -en=437 (15.9%) other=2298 (83.4%) -t=14 (0.5%) -e=6 (0.2%)

**v%pt\_pl:** -t=13 (2.0%) -e=351 (53.9%) -ed=33 (5.1%) -en=176 (27.0%) other=35 (5.4%) -d=41 (6.3%) vowel=2 (0.3%)

**v%inf:** -e=4045 (74.7%) other=514 (9.5%) vowel=188 (3.5%) -en=642 (11.9%) -t=17 (0.3%) -ed=3 (0.1%) -d=8 (0.1%)

**pron:** -t=3184 (68.7%) other=1303 (28.1%) -e=102 (2.2%) -en=48 (1.0%)

**v%pt\_3:** other=2031 (37.1%) -d=1052 (19.2%) -e=1948 (35.5%) -ed=264 (4.8%) -t=181 (3.3%) vowel=3 (0.1%) -eth=1 (0.0%)

**n1:** -e=1250 (59.9%) other=417 (20.0%) -d=94 (4.5%) -t=168 (8.1%) -ed=135 (6.5%) -eth=9 (0.4%) -en=8 (0.4%) vowel=5 (0.2%)

**gram\_adj:** other=2914 (71.9%) -e=388 (9.6%) vowel=633 (15.6%) -t=119 (2.9%)

**n#adj:** other=155 (80.3%) -e=24 (12.4%) -d=8 (4.1%) -t=2 (1.0%) -en=4 (2.1%)

**v%pr\_3:** other=2739 (62.8%) -e=574 (13.2%) -t=286 (6.6%) -eth=739 (16.9%) -ed=4 (0.1%) vowel=16 (0.4%) -d=2 (0.0%) -en=1 (0.0%)

**part:** vowel=2158 (79.7%) -t=545 (20.1%) -e=3 (0.1%) -eth=2 (0.1%) other=1 (0.0%)

**pron%pl\_gen:** other=1049 (98.6%) -e=15 (1.4%)

**gram\_adj%pl:** other=18 (9.4%) -e=148 (77.5%) vowel=25 (13.1%)

**n%gen:** other=396 (100.0%)

**num\_adj:** -en=22 (3.3%) -e=262 (39.5%) -d=48 (7.2%) vowel=216 (32.6%) other=85 (12.8%) -ed=24 (3.6%) -t=6 (0.9%)

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

**pron%obj:** other=1044 (44.7%) -e=1291 (55.2%) -t=1 (0.0%) -ed=1 (0.0%)

**v%ppl:** -t=355 (17.8%) -d=220 (11.0%) -en=187 (9.4%) -ed=636 (31.9%) -e=299 (15.0%) other=253 (12.7%) vowel=42 (2.1%)

**interj:** -e=64 (7.3%) vowel=425 (48.6%) other=342 (39.1%) -t=41 (4.7%) -en=1 (0.1%) -d=1 (0.1%)

**pron%nom:** -e=4010 (50.8%) vowel=3837 (48.6%) -t=5 (0.1%) other=45 (0.6%)

**pron%fem\_gen:** other=845 (99.2%) -e=7 (0.8%)

**adj1:** -e=297 (88.7%) other=36 (10.7%) -t=1 (0.3%) -en=1 (0.3%)

**n2#propn:** other=34 (54.8%) -e=18 (29.0%) -en=2 (3.2%) vowel=7 (11.3%) -t=1 (1.6%)

**n#propn:** -t=36 (2.1%) other=990 (58.5%) vowel=119 (7.0%) -e=505 (29.9%) -en=9 (0.5%) -d=24 (1.4%) -eth=7 (0.4%) -ed=1 (0.1%)

**v%prp\_abs:** -e=41 (43.2%) other=54 (56.8%)

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

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

**adv%comp:** other=120 (41.7%) -e=106 (36.8%) -t=43 (14.9%) vowel=19 (6.6%)

**n3:** -e=107 (68.6%) other=18 (11.5%) -ed=1 (0.6%) -t=29 (18.6%) -en=1 (0.6%)

**adj%comp:** other=119 (41.5%) -t=18 (6.3%) -e=101 (35.2%) vowel=49 (17.1%)

**pron%fem\_obj:** other=443 (98.2%) -e=8 (1.8%)

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

**adv&conj:** other=862 (94.5%) -e=20 (2.2%) vowel=8 (0.9%) -en=21 (2.3%) -t=1 (0.1%)

**pron%pl\_nom:** -e=1015 (63.6%) other=579 (36.3%) -t=1 (0.1%) vowel=2 (0.1%)

**v%pr\_pl:** -e=490 (30.2%) other=615 (37.8%) -en=449 (27.6%) vowel=35 (2.2%) -t=32 (2.0%) -eth=1 (0.1%) -d=3 (0.2%)

**v%pr\_1:** -e=755 (45.8%) other=776 (47.1%) vowel=38 (2.3%) -t=78 (4.7%) -d=1 (0.1%)

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

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

**ger:** other=147 (58.8%) -e=103 (41.2%)

**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=136 (94.4%) vowel=6 (4.2%) -t=2 (1.4%)

**n1#propn:** other=160 (20.6%) -d=424 (54.7%) vowel=15 (1.9%) -e=171 (22.1%) -t=5 (0.6%)

**pron\_gram\_adj:** other=364 (87.7%) -e=51 (12.3%)

**adj#n%sup:** -e=46 (90.2%) -t=5 (9.8%)

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

**v%pr\_2:** -t=360 (78.9%) -e=72 (15.8%) other=14 (3.1%) vowel=9 (2.0%) -d=1 (0.2%)

**ger1:** other=19 (59.4%) -e=13 (40.6%)

**n8:** -e=8 (88.9%) other=1 (11.1%)

**v%pt\_3\_neg:** -e=40 (38.8%) other=58 (56.3%) -d=4 (3.9%) vowel=1 (1.0%)

**pron%pl\_obj:** other=1281 (96.7%) vowel=36 (2.7%) -e=7 (0.5%) -t=1 (0.1%)

**adj2:** other=77 (64.7%) -e=29 (24.4%) -t=12 (10.1%) -ed=1 (0.8%)

**v%imp:** other=273 (30.2%) -e=211 (23.3%) -eth=184 (20.3%) -t=120 (13.3%) vowel=69 (7.6%) -d=31 (3.4%) -ed=12 (1.3%) -en=5 (0.6%)

**v%pt\_1:** -d=77 (16.5%) -e=198 (42.4%) other=152 (32.5%) -t=17 (3.6%) -ed=19 (4.1%) vowel=4 (0.9%)

**conj1:** -e=338 (69.1%) other=137 (28.0%) vowel=13 (2.7%) -d=1 (0.2%)

**v%pr\_1\_neg:** -t=24 (49.0%) other=23 (46.9%) -e=2 (4.1%)

**num\_n:** -e=68 (75.6%) vowel=14 (15.6%) other=1 (1.1%) -en=3 (3.3%) -d=2 (2.2%) -t=1 (1.1%) -ed=1 (1.1%)

**gram\_adjas\_n:** other=196 (92.9%) -e=14 (6.6%) -en=1 (0.5%)

**v#adj%ppl:** -ed=65 (59.6%) -t=11 (10.1%) -en=9 (8.3%) -e=16 (14.7%) other=4 (3.7%) -d=4 (3.7%)

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

**ppl:** -ed=17 (73.9%) -t=2 (8.7%) -d=4 (17.4%)

**adv2:** vowel=61 (64.2%) other=33 (34.7%) -e=1 (1.1%)

**adj%sup:** -t=48 (35.6%) -e=87 (64.4%)

**dash:** -d=17 (16.8%) vowel=21 (20.8%) -e=10 (9.9%) other=39 (38.6%) -t=11 (10.9%) -ed=3 (3.0%)

**adv%sup:** -t=116 (89.2%) -e=13 (10.0%) other=1 (0.8%)

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

**v1#adj%ppl:** other=3 (15.8%) -ed=8 (42.1%) -e=8 (42.1%)

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

**n4:** -e=16 (57.1%) other=11 (39.3%) -t=1 (3.6%)

**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=19 (79.2%) other=5 (20.8%)

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

**v%prp:** -e=5 (41.7%) other=7 (58.3%)

**pron%pl:** -e=7 (21.2%) other=13 (39.4%) vowel=11 (33.3%) -en=2 (6.1%)

**num\_conj:** -e=48 (68.6%) other=22 (31.4%)

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

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

**adjas\_n%sup:** -t=13 (22.8%) -e=44 (77.2%)

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

**v%pt\_2:** -e=17 (28.8%) other=8 (13.6%) -t=34 (57.6%)

**adj#n:** -e=22 (53.7%) other=13 (31.7%) -t=5 (12.2%) -en=1 (2.4%)

**pron%gen\_abs:** other=9 (81.8%) -e=2 (18.2%)

**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=15 (93.8%) -t=1 (6.2%)

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

**prp#adj:** other=3 (50.0%) -e=3 (50.0%)

**advas\_adj:** -e=35 (97.2%) -t=1 (2.8%)

**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=2 (33.3%) vowel=2 (33.3%)

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

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

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

**v%pt\_1\_neg:** -d=3 (14.3%) -e=17 (81.0%) other=1 (4.8%)

**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%) -t=1 (25.0%)

**v#adj%prp:** -e=11 (40.7%) other=15 (55.6%) -t=1 (3.7%)

**adj#adv:** other=3 (60.0%) -e=2 (40.0%)

**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=2 (100.0%)

**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=2 (100.0%)

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

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

**ger#adj:** other=3 (100.0%)

**v1#adj%prp:** other=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:** other=1 (100.0%)

# Rule Success Rates

**Past plural ends in -en/-e:** 527 / 651 successes (81.0%)

**Infinitive ends in -en/-e:** 4687 / 5417 successes (86.5%)

**Present 3rd sg ends in -eth:** 739 / 4361 successes (16.9%)

**Weak pt sg ends in -ed/-d/-t:** 413 / 1041 successes (39.7%)

**Present plural ends in -en/-e:** 939 / 1625 successes (57.8%)

**Strong pt sg not -en/-e:** 665 / 714 successes (93.1%)

**Strong participle ends in -en/-e:** 245 / 319 successes (76.8%)