

Appendix A: Table of Verb Forms

Verb	Regular	Irregular		Token Count
	Preterit & Past Participle	Preterit	Past Participle	
abide	abided	abode	abode	146,566
alight	alighted	alight	alight	56,306
arise	arised	arose	arisen	164,134
awake	awaked	awoke	awoken, awoke	423,359
become	becomed	became	become	50,664,026
begin	begined	began	begun	5,942,572
bend	bended	bent	bent	4,777,019
beseech	beseched	besought	besought	3,390
bleed	bleeded	bled	bled	252,225
blend	blended	blent	blent	436,029
bless	blessed	blest	blest	22,547,387
blow	blowed	blew	blown	9,155,246
break	breaked	broke	broken	54,506,810
breed	breeded	bred	bred	1,040,854
bring	bringed	brought	brought	15,303,318
build	builed	built	built	8,521,553
burn	burned	burnt	burnt	7,457,942
buy	buyed	bought	bought	24,841,526
catch	catched	caught	caught	24,891,188
choose	choosed	chose	chosen	10,290,205
clap	clapped	clapt	clapt	405,837
climb	climbed	clomb, clom	clomben	635,122

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TABLE A1: A tabulation of all verb forms used in this study. The Token Count column gives the sum of all the tokens for the past tense forms of the verb, both regular and irregular, in our Twitter dataset (see row (I) of Tab. I in Sec. II).

TABLE A1: (continued)

Verb	Regular	Irregular		Token Count
	Preterit & Past Participle	Preterit	Past Participle	
cling	clinged	clung	clung	49,742
creep	creeped	crept	crept	698,405
deal	dealed	dealt	dealt	1,181,974
dig	digged	dug	dug	941,656
dream	dreamed	dreamt	dreamt	2,794,060
drink	drinked	drank	drunk, drank	37,295,703
drive	drived	drove	driven	5,745,497
dwell	dwelled	dwelt	dwelt	25,725
eat	eated	ate	eaten	25,084,758
fall	failed	fell	fallen	25,224,815
fight	fighted	fought	fought	3,625,297
find	finded	found	found	80,709,195
flee	fleed	fled	fled	405,295
freeze	freezed	froze	frozen	7,454,847
get	getted	got	got, gotten	500,591,203
give	gived	gave	given	58,697,198
grow	growed	grew	grown	17,951,273
hang	hanged	hung	hung	3,991,956
hear	heard	heard	heard	52,605,822
hide	hided, hidedd	hid	hid, hidden	7,829,276
hold	holded	held	held	10,080,725
inlay	inlayed	inlaid	inlaid	44,811
keep	keeped	kept	kept	11,785,131

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TABLE A1: (continued)

Verb	Regular	Irregular		Token Count
	Preterit & Past Participle	Preterit	Past Participle	
kneel	kneeled	knelt	knelt	83,765
know	knowed	knew	known	58,175,701
lay	layed	laid	laid	5,828,898
leap	leaped	leapt	leapt	91,620
learn	learned	learnt	learnt	18,134,586
lose	losed	lost	lost	72,695,892
mean	meaned	meant	meant	26,814,977
pay	payed	paid	paid	21,150,031
plead	pleaded	pled	pled	193,553
ride	rided	rode	ridden	1,710,109
seek	seeked	sought	sought	888,822
sell	selled	sold	sold	14,251,612
send	sended	sent	sent	26,265,441
shake	shaked	shook	shaken	3,223,316
shoe	shoed	shod	shod	47,780
shrink	shranked	shrank, shrunk	shrunk, shrunken	296,188
sing	singed	sang, sung	sung	6,767,707
sink	sinked	sank, sunk	sunk, sunken	927,419
slay	slayed	slew	slain	2,153,981
sleep	sleeped	slept	slept	9,252,446
slide	slided	slid	slid	530,659
sling	slinged	slung	slung	38,320
slink	slinked	slunk	slunk	5,772

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TABLE A1: (continued)

Verb	Regular	Irregular		Token Count
	Preterit & Past Participle	Preterit	Past Participle	
smell	smelled	smelt	smelt	1,089,814
smite	smitted, smited	smote	smitten, smote	176,768
sneak	sneaked	snuck	snuck	797,337
speak	speaked	spoke	spoken	8,502,050
speed	speeded	sped	sped	216,062
spell	spelled	spelt	spelt	3,812,137
spend	spended	spent	spent	17,603,781
spill	spilled	spilt	spilt	1,627,331
spin	spinned	spun	spun	342,022
spoil	spoiled	spoilt	spoilt	3,891,576
spring	springed	sprang, sprung	sprung	626,400
stand	standed	stood	stood	3,942,812
steal	stealed	stole	stolen	11,884,934
sting	stinged	stung	stung	391,053
stink	stinked	stank, stunk	stunk	1,556,197
stride	strided	strode	stridden	17,811
strike	striked	struck	struck, stricken	2,167,165
strip	stripped	stript	stript	837,967
strive	strived	strove	striven	33,705
swear	swearred	swore	sworn	1,902,662
sweep	sweepred	swept	swept	931,245
swim	swimmed	swam	swum	356,842
swing	swinged	swung	swung	295,360

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TABLE A1: (continued)

Verb	Regular	Irregular		Token Count
	Preterit & Past Participle	Preterit	Past Participle	
take	taked	took	taken	83,457,822
teach	tached	taught	taught	9,379,039
tear	teared	tore	torn	4,238,865
tell	telled	told	told	71,562,969
thrive	thrived	throve	thriven	43,612
throw	throwed	threw	thrown	13,197,226
tread	treaded	trod	trodden	56,624
vex	vexed	vext	vext	139,411
wake	waked	woke	woken	30,796,918
wear	wearied	wore	worn	8,552,191
weep	weaped	wept	wept	200,690
win	winned	won	won	45,276,202
wind	winded	wound	wound	1,340,267
wring	wringed	wrung	wrung	29,141
write	writed	wrote	written, writ, wrote	23,926,025