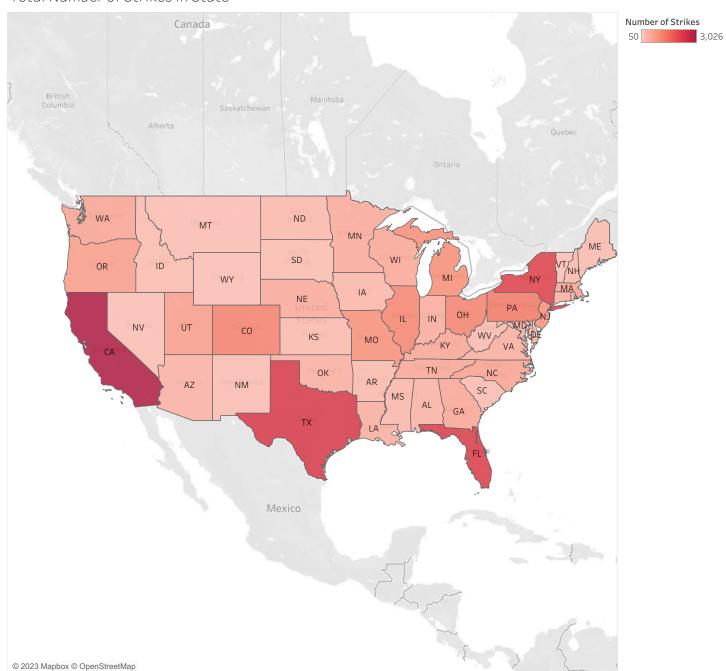
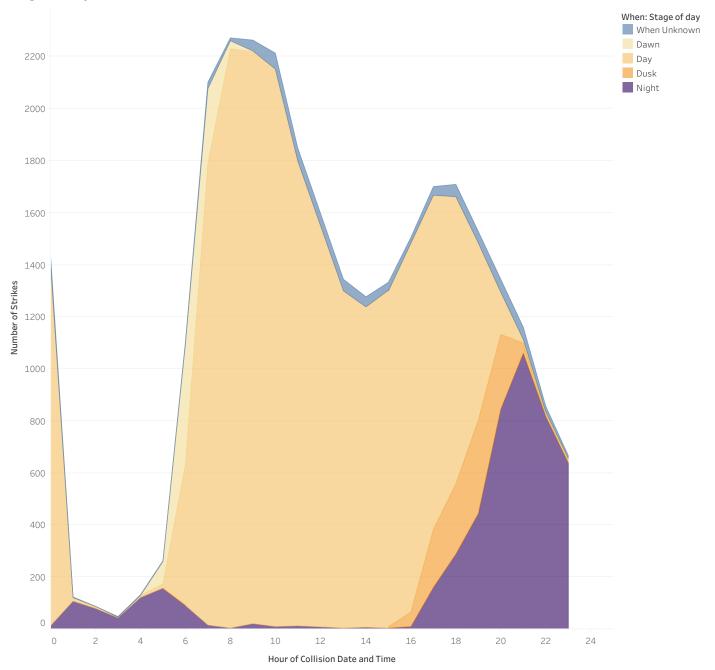
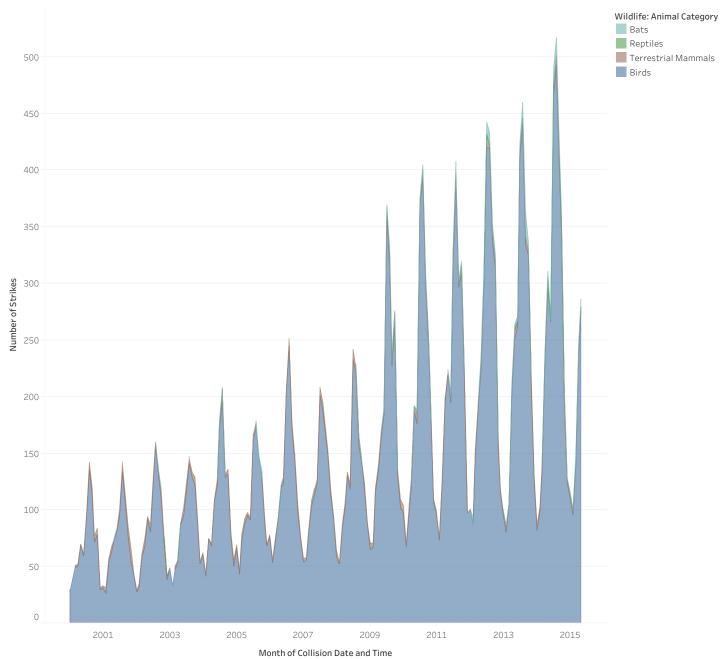
Total Number of Strikes in State



Stage of Day vs Hour



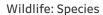
Strikes per Month

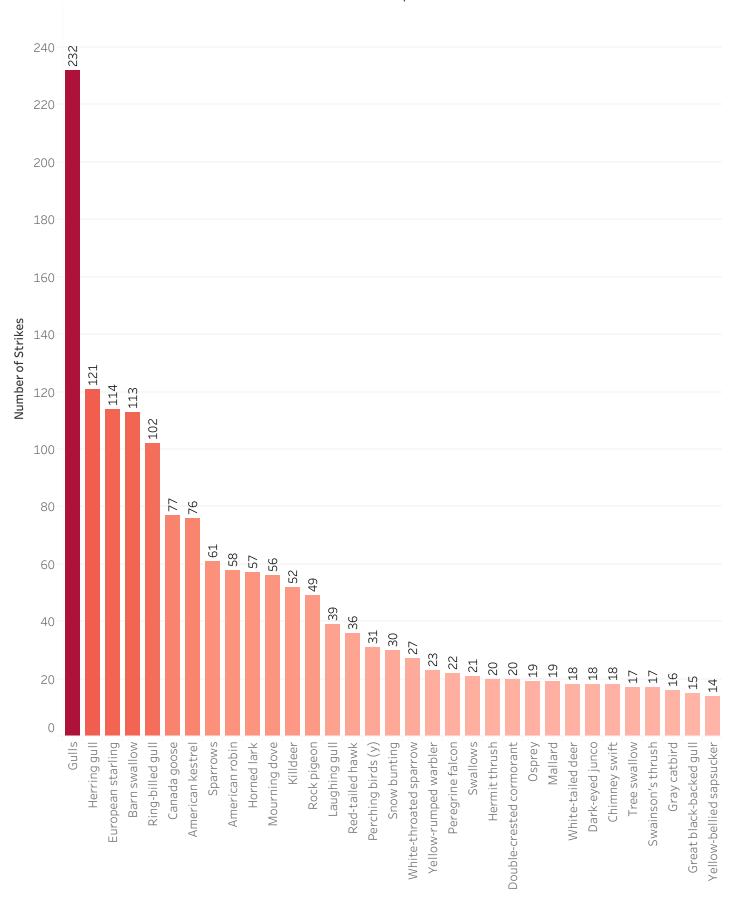


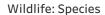
Number of Strikes per Year

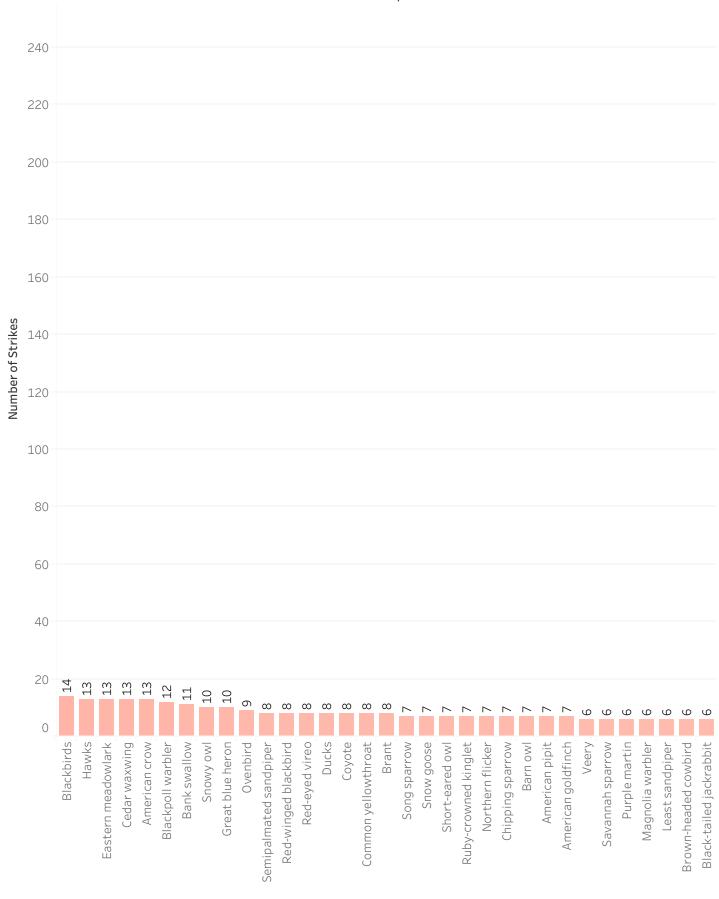
Year of Colli..

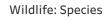
2000	853
2001	898
2002	1,043
2003	1,056
2004	1,278
2005	1,266
2006	1,522
2007	1,490
2008	1,562
2009	2,218
2010	2,416
2011	2,612
2012	2,924
2013	2,971
2014	3,288
2015	901

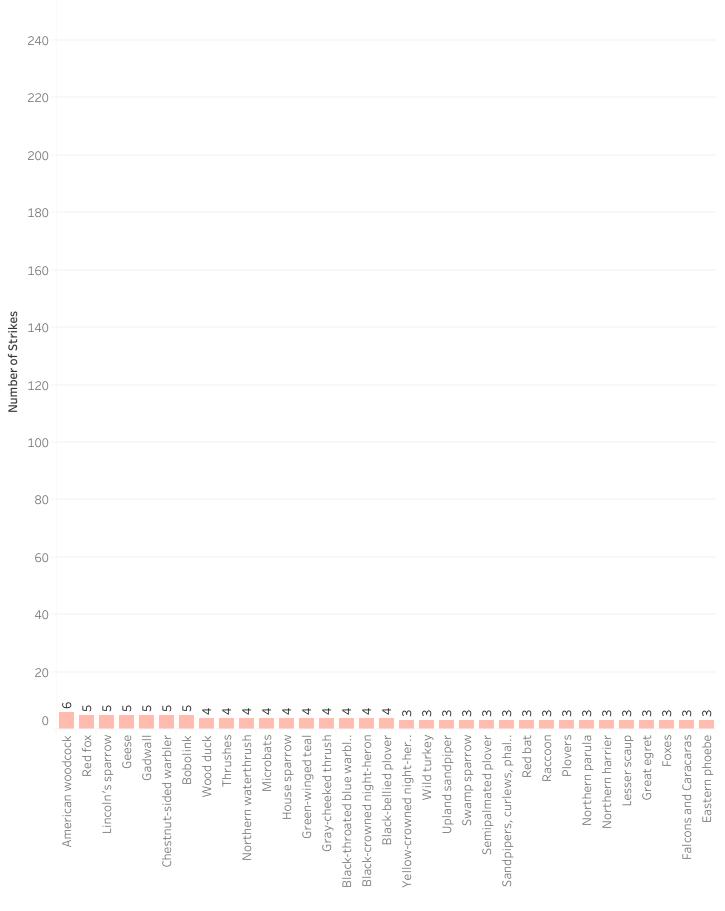




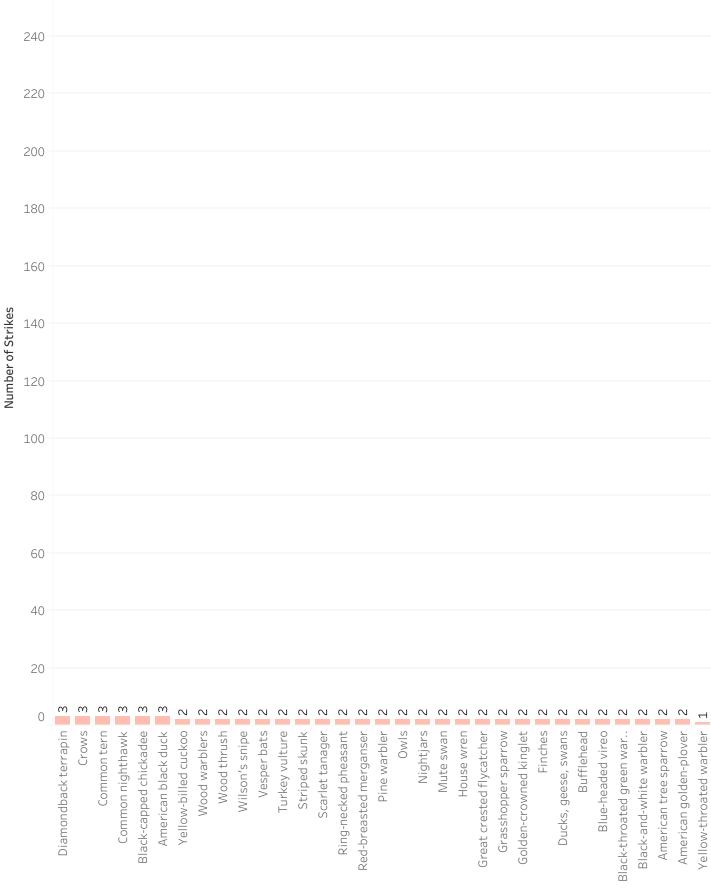


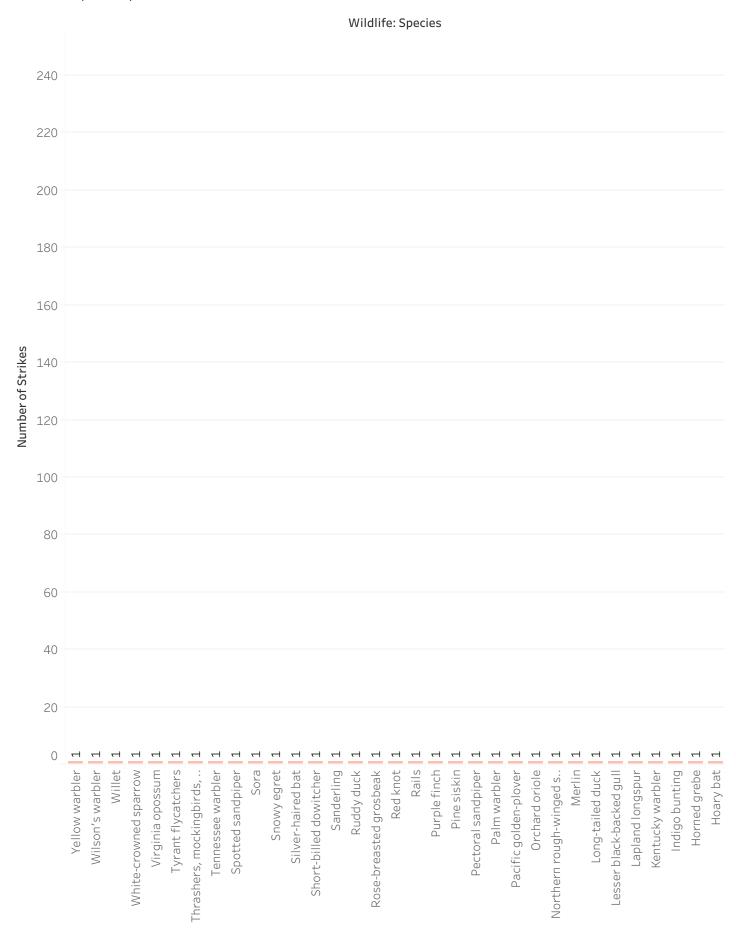


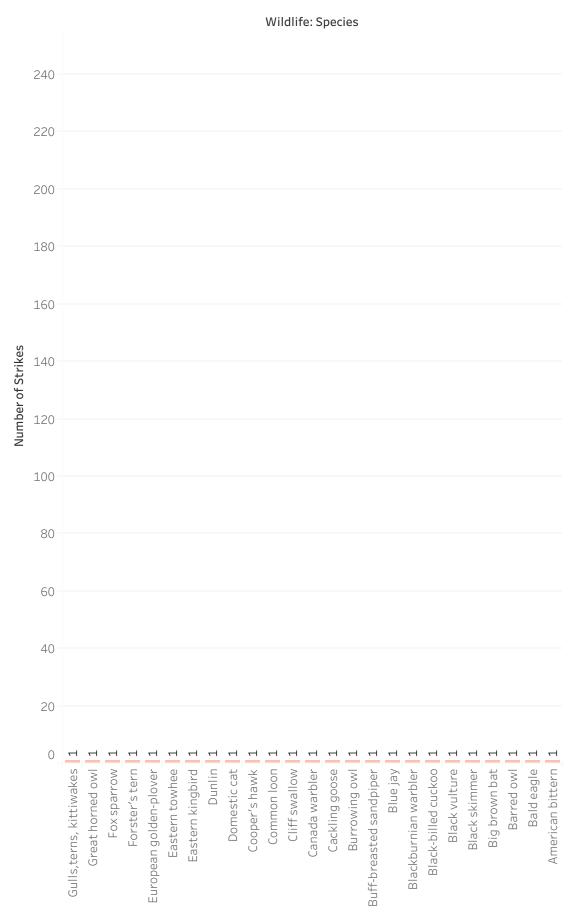




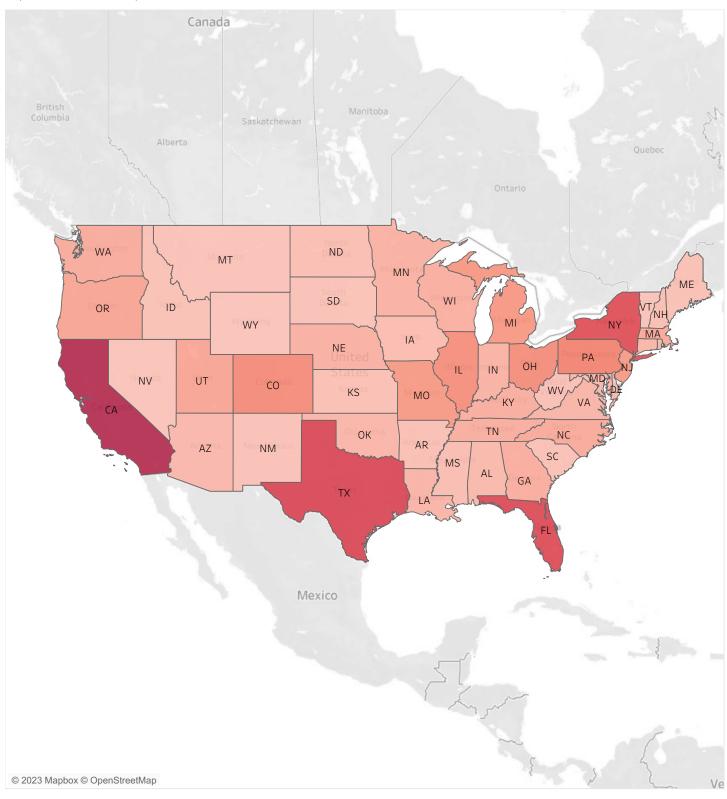




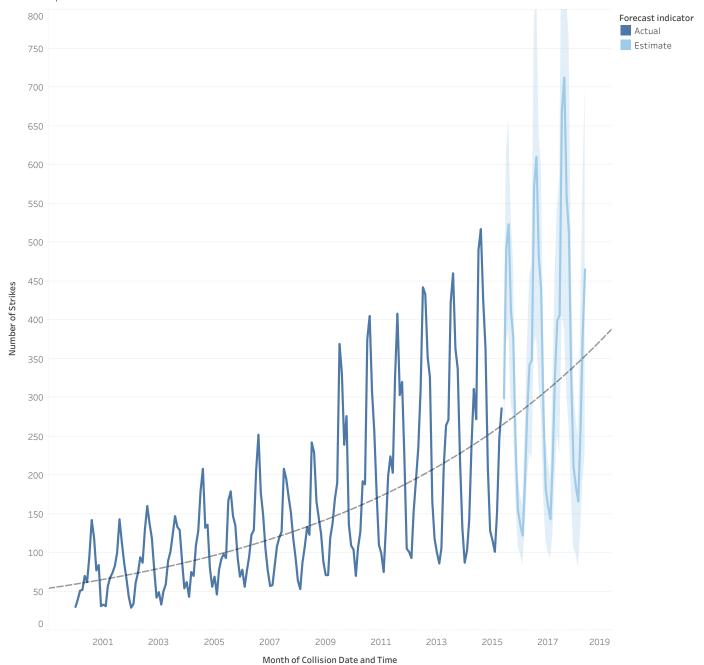




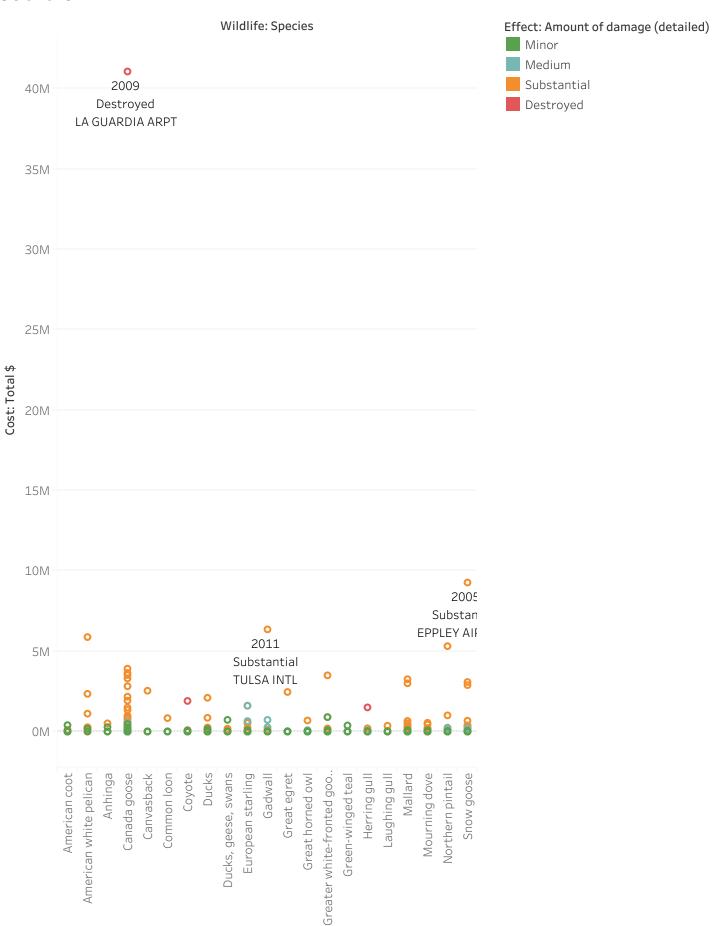
Species Strikes per State



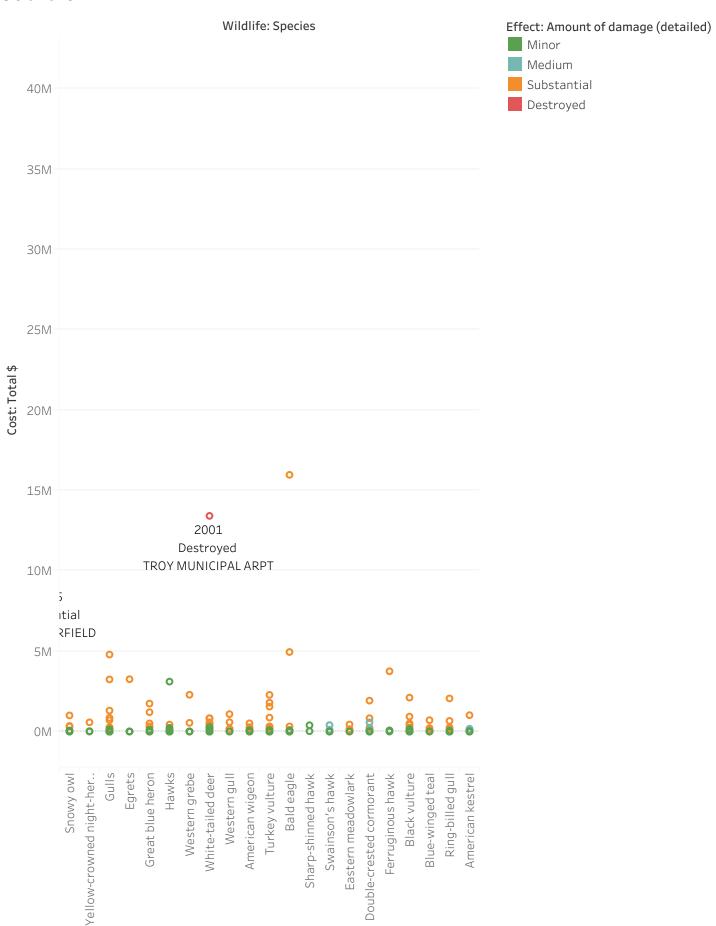
Strikes per Month Forecast



Outliers

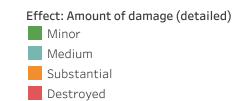


Outliers

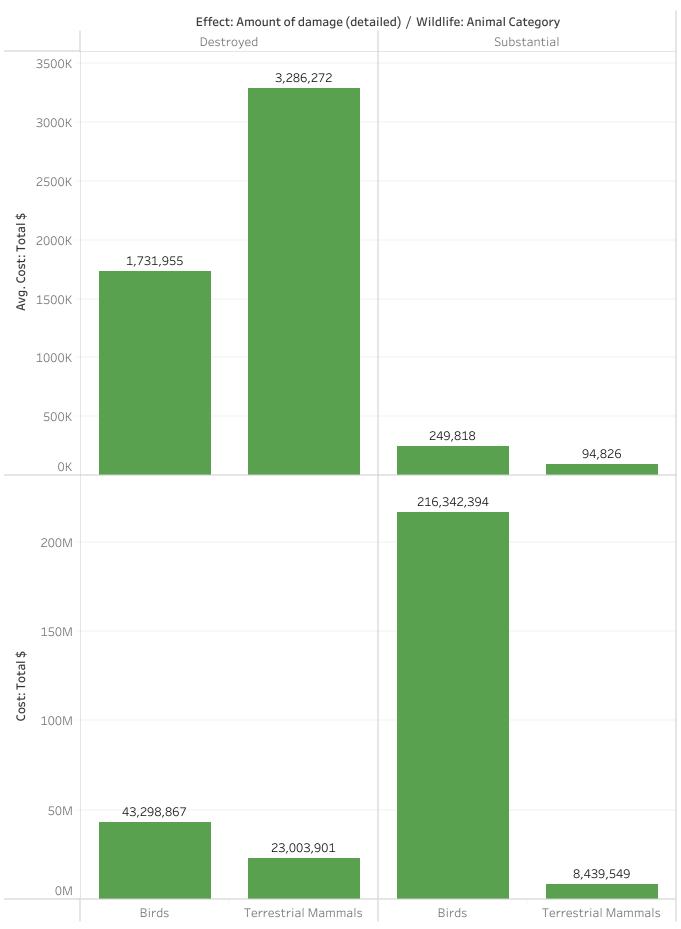


Outliers

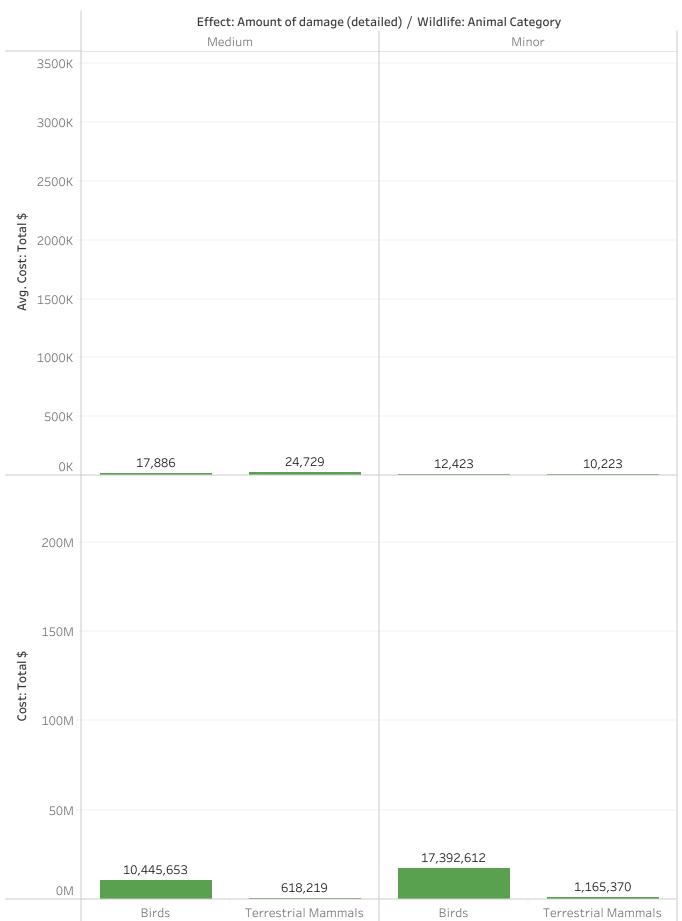


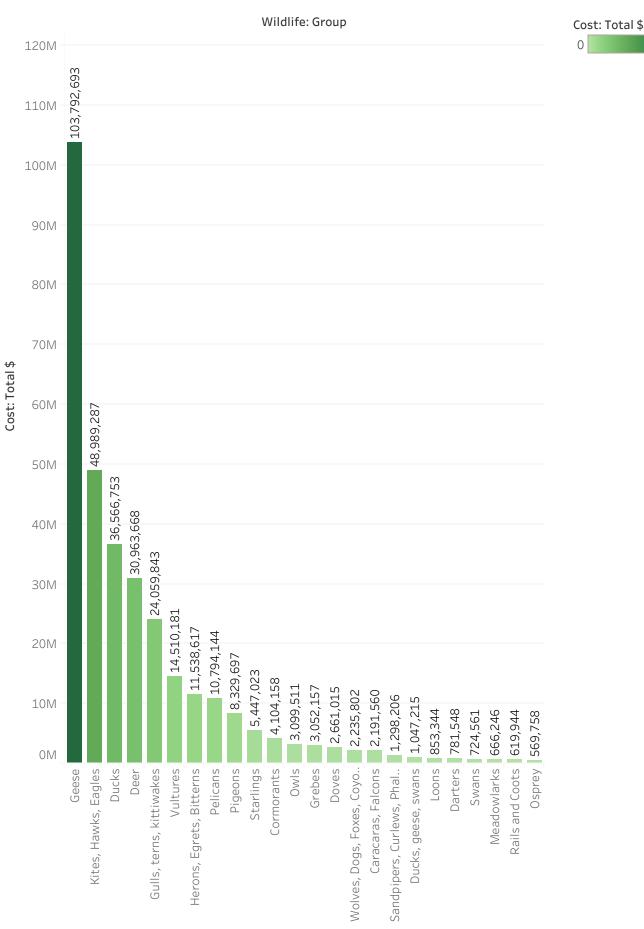


Animal Damage and Cost

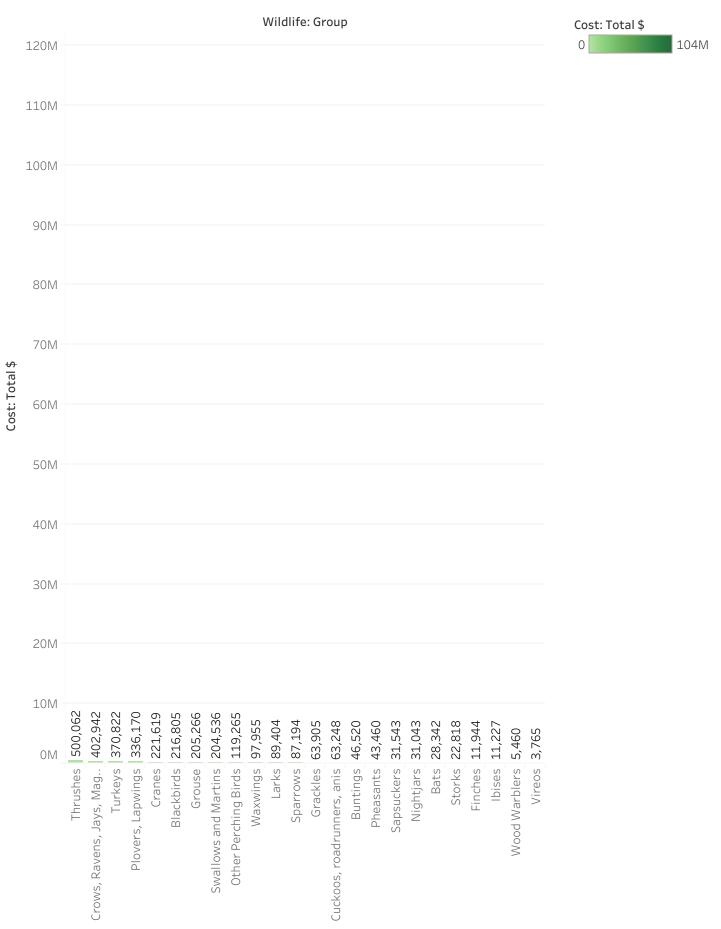


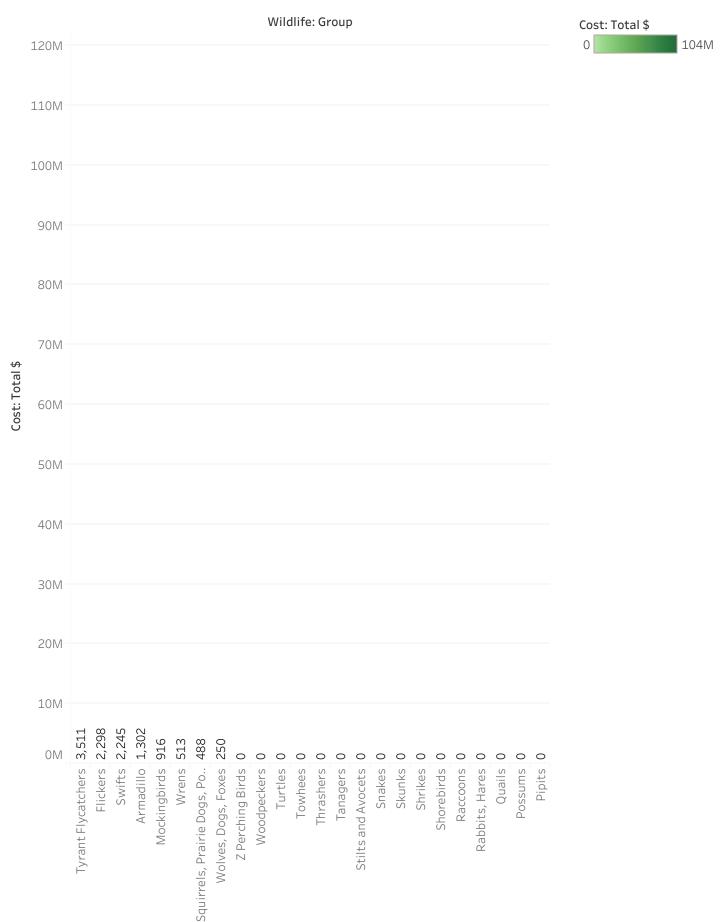
Animal Damage and Cost





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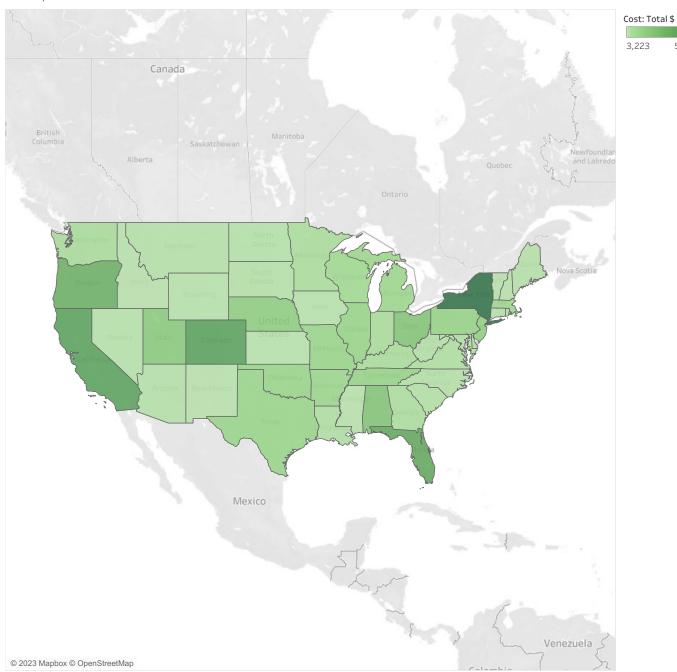






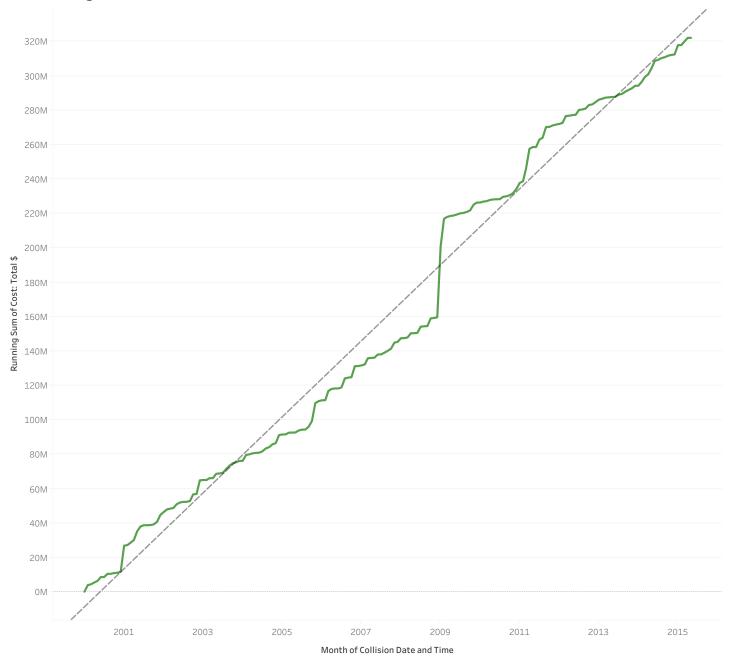


Cost per State

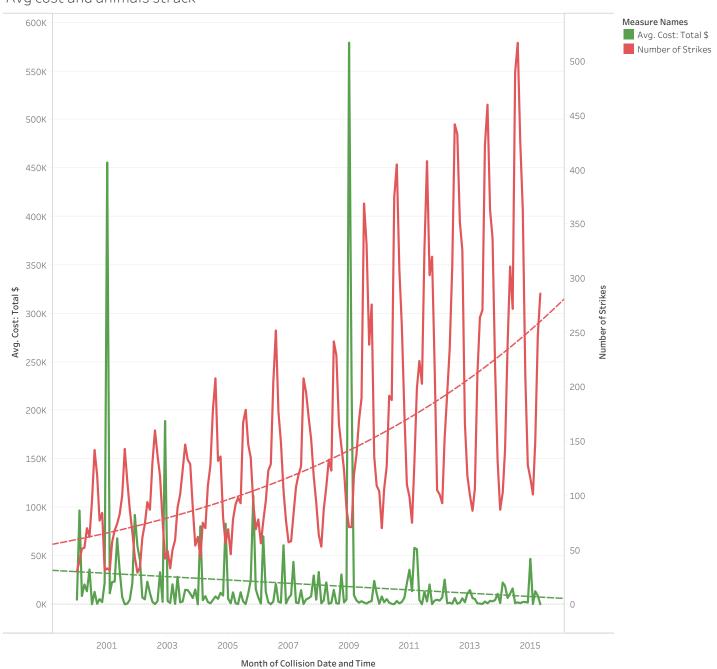


50,278,775

Cost Running Total



Avg cost and animals struck



Wildlife: An	Wildlife: Species	
Bats	Red bat	7,000
	Brazilian free-tailed bat	7,000
	Hoary bat	6,500
	Pocketed free-tailed bat	6,000
	Microbats	6,000
	Vesper bats	4,400
	Silver-haired bat	4,000
	Eastern pipistrelle	3,100
	Free-tailed bats	3,000
	Big brown bat	3,000
	Bats	2,500
	Seminole bat	1,500
	Evening bat	200
	Little brown bat	100
	Western yellow bat	70
	Florida bonneted bat	20
	Yuma myotis	0
Birds	Eared grebe	20,000
	Long-billed curlew	15,000
	Horned lark	15,000
	Dark-eyed junco	15,000
	Chipping sparrow	15,000
	American robin	15,000
	Varied thrush	14,000
	Northern shoveler	14,000
	Northern pintail	14,000
	Blue-winged teal	14,000
	Sparrows	13,800
	Red-necked phalarope	13,400
	Eastern phoebe	13,000
	Perching birds (y)	12,500
	White-throated swift	12,000
	Whimbrel	12,000
	Snow goose	12,000
	Ducks	12,000
	Yellow-bellied sapsucker	11,500
	Gulls	11,500
	Veery	11,000
	Semipalmated plover	11,000
	Red-eyed vireo	11,000
	Pacific-slope flycatcher	11,000
	Ducks, geese, swans	11,000
	American coot	11,000
	Pectoral sandpiper	10,400

Wildlife: Species	
Yellow warbler	10,000
Western sandpiper	10,000
Swainson's thrush	10,000
New World Vultures	10,000
Common yellowthroat	10,000
Chimney swift	10,000
Baltimore oriole	10,000
Turkey vulture	9,500
Sandhill crane	9,500
Western grebe	9,300
Willow flycatcher	9,000
White-throated sparrow	9,000
Mourning dove	9,000
Mallard	9,000
House wren	9,000
Least flycatcher	8,700
Eastern wood-pewee	8,700
Wilson's phalarope	8,500
Hawks	8,500
Canada goose	8,500
Barn swallow	8,500
Wilson's snipe	8,000
Warbling vireo	8,000
Swamp sparrow	8,000
Ruby-crowned kinglet	8,000
Purple martin	8,000
Northern saw-whet owl	8,000
Greater white-fronted go	8,000
Geese	8,000
European starling	8,000
Lark sparrow	7,800
Spotted sandpiper	7,700
Blue-gray gnatcatcher	7,400
Wood warblers	7,000
White-crowned sparrow	7,000
Western meadowlark	7,000
Thrushes	7,000
Savannah sparrow	7,000
Red-winged blackbird	7,000
Pine warbler	7,000
Pigeons, doves	7,000
Fox sparrow	7,000
Eastern meadowlark	7,000
Cedar waxwing	7,000

Wildlife: An	Wildlife: Species	
Birds	Blackbirds	7,000
	American white pelican	6,800
	Grasshopper sparrow	6,700
	Gadwall	6,600
	Common loon	6,600
	Killdeer	6,500
	Franklin's gull	6,500
	Yellow-crowned night-her	6,000
	White-faced ibis	6,000
	Thrashers, mockingbirds,	6,000
	Swallows	6,000
	Sora	6,000
	Rock pigeon	6,000
	Redhead	6,000
	Raptors: Hawks, eagles, v	6,000
	Plovers	6,000
	Orange-crowned warbler	6,000
	Lincoln's sparrow	6,000
	Hermit thrush	6,000
	Canada warbler	6,000
	Black-bellied plover	6,000
	Anhinga	6,000
	American kestrel	6,000
	Bald eagle	5,800
	Cinnamon teal	5,600
	Northern flicker	5,500
	Broad-winged hawk	5,500
	American pipit	5,500
	Black vulture	5,200
	Yellow-throated warbler	5,000
	Yellow-billed cuckoo	5,000
	Upland sandpiper	5,000
	Tyrant flycatchers	5,000
	Tree swallow	5,000
	Tennessee warbler	5,000
	Scarlet tanager	5,000
	Ruddy duck	5,000
	Ring-billed gull	5,000
	Red-tailed hawk	5,000
	Red-necked grebe	5,000
	Northern waterthrush	5,000
	Lesser scaup	5,000
	Hooded warbler	5,000
	Gray flycatcher	5,000

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Wildlife: Species	
Common tern	5,000
Chestnut-sided warbler	5,000
Cattle egret	5,000
Band-tailed pigeon	5,000
American woodcock	5,000
Wood thrush	4,500
Solitary sandpiper	4,500
Semipalmated sandpiper	4,500
Lapland longspur	4,200
Yellow-rumped warbler	4,000
Wood duck	4,000
Swifts	4,000
Spotted towhee	4,000
Sharp-shinned hawk	4,000
Sandpipers, curlews, phal	4,000
Red-naped sapsucker	4,000
Rails	4,000
Ovenbird	4,000
Osprey	4,000
Gray-cheeked thrush	4,000
Gray catbird	4,000
Common moorhen	4,000
Common grackle	4,000
Cave swallow	4,000
Canvasback	4,000
Burrowing owl	4,000
Black-throated green war	4,000
Black-throated blue warbl	4,000
Black-headed grosbeak	4,000
Black-billed cuckoo	4,000
American wigeon	4,000
American redstart	4,000
Blackpoll warbler	3,800
Ruby-throated hummingb	3,600
Green-tailed towhee	3,600
Yellow-headed blackbird	3,500
Tundra swan	3,500
Sage sparrow	3,500
Ring-necked duck	3,500
Painted bunting	3,500
Horned grebe	3,500
Song sparrow	3,100
Green-winged teal	3,100
Yellow-bellied flycatcher	3,000

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. Wildlife: Species	
Wood stork	3,000
Sprague's pipit	3,000
Perching birds (z)	3,000
Nashville warbler	3,000
Long-tailed duck	3,000
Least sandpiper	3,000
Herring gull	3,000
Great horned owl	3,000
Great blue heron	3,000
Eastern towhee	3,000
Doves	3,000
Common poorwill	3,000
Common nighthawk	3,000
Cliff swallow	3,000
California gull	3,000
Brown-headed cowbird	3,000
Brant	3,000
Blackburnian warbler	3,000
American goldfinch	3,000
Double-crested cormorant	2,800
American tree sparrow	2,800
Cassin's vireo	2,600
Virginia rail	2,500
Peregrine falcon	2,500
Palm warbler	2,500
Northern parula	2,500
Indigo bunting	2,500
Crows	2,500
Black-capped chickadee	2,500
Bank swallow	2,500
Golden-crowned kinglet	2,200
Western gull	2,100
Wilson's warbler	2,000
Vesper sparrow	2,000
Shorebirds	2,000
Sharp-tailed grouse	2,000
Rose-breasted grosbeak	2,000
Red-throated loon	2,000
Pied-billed grebe	2,000
Owls	2,000
Loons	2,000
Kites, eagles, hawks	2,000
Hooded merganser	2,000
Greater yellowlegs	2,000

wilding. All	wilding. Specie
Birds	Great egret

•	wildlife: Species	
	Great egret	2,000
	Cuckoos	2,000
	Blue-headed vireo	2,000
	Black-crowned night-heron	2,000
	Black-and-white warbler	2,000
	Anna's hummingbird	2,000
	American crow	2,000
	Short-billed dowitcher	1,900
	Dunlin	1,900
	Acadian flycatcher	1,900
	Northern mockingbird	1,800
	Long-billed dowitcher	1,800
	Hairy woodpecker	1,800
	Great crested flycatcher	1,800
	Brown pelican	1,750
	Swainson's hawk	1,700
	Magnolia warbler	1,700
	Lesser yellowlegs	1,700
	Townsend's warbler	1,500
	Tanagers	1,500
	Red-breasted merganser	1,500
	Orchard oriole	1,500
	Mew gull	1,500
	Egrets	1,500
	Cardinals, buntings, sparr	1,500
	Cape May warbler	1,500
	Little blue heron	1,400
	Laughing gull	1,400
	Grackles	1,400
	Glaucous-winged gull	1,300
	Common snipe	1,300
	Green heron	1,200
	Grebes	1,200
	Greater scaup	1,200
	White-winged dove	1,100
	House finch	1,100
	Great-tailed grackle	1,100
	Finches	1,100
	Cuckoos, roadrunners, anis	1,100
	White-eyed vireo	1,000
	Western tanager	1,000
	Smith's longspur	1,000
	Red-shouldered hawk	1,000
	Pine siskin	1,000

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wildlife. Species	
McCown's longspur	1,000
Harris's sparrow	1,000
Gulls,terns, kittiwakes	1,000
Golden eagle	1,000
Eastern kingbird	1,000
Chuck-will's-widow	1,000
Cackling goose	1,000
Bullock's oriole	1,000
Black-headed gull	1,000
Barn owl	1,000
American golden-plover	1,000
Bufflehead	850
Snow bunting	800
Mourning warbler	800
Meadowlarks	800
Long-eared owl	800
Brandt's cormorant	800
Baird's sandpiper	800
Plovers, lapwings	600
Nelson's sharp-tailed spa	600
Eurasian collared dove	600
Eagles	600
Common goldeneye	600
Yellow bittern	500
White ibis	500
Western kingbird	500
Summer tanager	500
Short-eared owl	500
Rough-legged hawk	500
Marsh wren	500
Lesser black-backed gull	500
Larks	500
Kentucky warbler	500
House sparrow	500
Great cormorant	500
Great black-backed gull	500
Dickcissel	500
Brewer's blackbird	500
Bay-breasted warbler	500
American black duck	500
Yellow-breasted chat	400
Snowy owl	400
Mountain bluebird	400
Merlin	400

Birds Ferruginous hawk Caspian tern Bobolink Black-bellied whistling-du American avocet Towhees Pelicans Winter wren Terns Swallow-tailed kite Purple finch Northern rough-winged s Nightjars Greater sage-grouse Blue jay Snowy egret Zenaida dove Wrens 400 400 American avocet 400 Aon 400 A
Bobolink Black-bellied whistling-du American avocet Towhees Pelicans Winter wren Swallow-tailed kite Purple finch Northern rough-winged s Nightjars Greater sage-grouse Blue jay Snowy egret Prairie warbler Zenaida dove 400 400 400 400 400 400 400 4
Black-bellied whistling-du 400 American avocet 400 Towhees 350 Pelicans 350 Winter wren 300 Terns 300 Swallow-tailed kite 300 Purple finch 300 Northern rough-winged s 300 Rightjars 300 Greater sage-grouse 300 Blue jay 300 Snowy egret 280 Prairie warbler 250 Zenaida dove 200
American avocet 400 Towhees 350 Pelicans 350 Winter wren 300 Terns 300 Swallow-tailed kite 300 Purple finch 300 Northern rough-winged s 300 Nightjars 300 Greater sage-grouse 300 Blue jay 300 Snowy egret 280 Prairie warbler 250 Zenaida dove 200
Towhees 350 Pelicans 350 Winter wren 300 Terns 300 Swallow-tailed kite 300 Purple finch 300 Northern rough-winged s 300 Nightjars 300 Greater sage-grouse 300 Blue jay 300 Snowy egret 280 Prairie warbler 250 Zenaida dove 200
Pelicans 350 Winter wren 300 Terns 300 Swallow-tailed kite 300 Purple finch 300 Northern rough-winged s 300 Nightjars 300 Greater sage-grouse 300 Blue jay 300 Snowy egret 280 Prairie warbler 250 Zenaida dove 200
Winter wren 300 Terns 300 Swallow-tailed kite 300 Purple finch 300 Northern rough-winged s 300 Nightjars 300 Greater sage-grouse 300 Blue jay 300 Snowy egret 280 Prairie warbler 250 Zenaida dove 200
Terns 300 Swallow-tailed kite 300 Purple finch 300 Northern rough-winged s 300 Nightjars 300 Greater sage-grouse 300 Blue jay 300 Snowy egret 280 Prairie warbler 250 Zenaida dove 200
Swallow-tailed kite 300 Purple finch 300 Northern rough-winged s 300 Nightjars 300 Greater sage-grouse 300 Blue jay 300 Snowy egret 280 Prairie warbler 250 Zenaida dove 200
Purple finch300Northern rough-winged s300Nightjars300Greater sage-grouse300Blue jay300Snowy egret280Prairie warbler250Zenaida dove200
Northern rough-winged s 300 Nightjars 300 Greater sage-grouse 300 Blue jay 300 Snowy egret 280 Prairie warbler 250 Zenaida dove 200
Nightjars 300 Greater sage-grouse 300 Blue jay 300 Snowy egret 280 Prairie warbler 250 Zenaida dove 200
Greater sage-grouse 300 Blue jay 300 Snowy egret 280 Prairie warbler 250 Zenaida dove 200
Blue jay 300 Snowy egret 280 Prairie warbler 250 Zenaida dove 200
Snowy egret280Prairie warbler250Zenaida dove200
Prairie warbler 250 Zenaida dove 200
Zenaida dove 200
Wrong
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Violet-green swallow 200
Mute swan 200
Mottled duck 200
Loggerhead shrike 200
Cooper's hawk 200
Common merganser 200
Boat-tailed grackle 200
American bittern 200
Surf scoter 180
Vireos 150
Pigeons 150
Yellow-billed magpie 100
Starlings 100
Snowy plover 100
Scissor-tailed flycatcher 100
Rusty blackbird 100
Ring-necked pheasant 100
Northern harrier 100
Monk parakeet 100
Herons, egrets, bitterns 100
Herons 100
Falcons and Caracaras 100
Brown thrasher 100
Bonaparte's gull 100
Black-billed magpie 100

Wildlifo: An	Wildlife: Species	
Birds	Belted kingfisher	100
Dirus	Glaucous gull	80
	Grouse	60
	Red knot	55
	Golden-crowned sparrow	55
	White-tailed kite	50
	Sanderling	50
	Parrots	50
	Least tern	50
	Crested caracara	50
	Chestnut-collared longspur	50
	Blackbirds, orioles	50
	Willet	40
	Barred owl	40
	Wilson's plover	20
	Piping plover	20
	Lesser nighthawk	20
	Lark bunting	20
	Gray partridge	20
	Buff-breasted sandpiper	15
	Wild turkey	10
	Prairie falcon	10
	Ibises	10
	Common raven	10
	Carolina wren	10
	Brewer's sparrow	10
	Woodpeckers	0
	Whooping crane	0
	Western screech-owl	0
	Western bluebird	0
	Vaux's swift	0
	Thayer's gull	0
	Swans	0
	Say's phoebe	0
	Quails	0
	Northern fulmar	0
	Northern bobwhite	0
	Muscovy duck	0
	Mountain chickadee	0
	Lesser goldfinch	0
	Least bittern	0
	Hammond's flycatcher	0
	Great kiskadee	0
	Field sparrow	0

Wildlife: An	Wildlife: Species	
Birds	European golden-plover	0
	Eastern bluebird	0
	Crows, ravens	0
	Common ground-dove	0
	Clay-colored sparrow	0
	Chukar	0
	Carolina chickadee	0
	California towhee	0
	Cactus wren	0
	Black-necked stilt	0
	Black skimmer	0
Reptiles	Turtles	0
	Pond slider	0
	Green iguana	0
	Gopher tortoise	0
	Eastern diamondback ratt	0
	Diamondback terrapin	0
	Common snapping turtle	0
	American alligator	0
Terrestrial	White-tailed deer	2,000
Mammals	Coyote	100
	Red fox	25
	Mule deer	4
	Yellow-bellied marmot	0
	Woodchuck	0
	White-tailed prairie dog	0
	White-tailed jackrabbit	0
	Wapiti (elk)	0
	Virginia opossum	0
	Swine (pigs)	0
	Striped skunk	0
	Skunks	0
	Raccoon	0
	Rabbits	0
	Pronghorn	0
	North American porcupine	0
	Muskrat	0
	Kit fox	0
	Gunnison's prairie dog	0
	Foxes	0
	Eastern cottontail	0
	Domestic dog	0
	Domestic cat	0
	Desert cottontail	0

Terrestrial	Deer	0
Mammals	Common gray fox	0
	Black-tailed prairie dog	0
	Black-tailed jackrabbit	0
	Badger	0
	Armadillo	0

avg species height

Wildlife: An	Wildlife: Species	
Bats	Yuma myotis	0
	Florida bonneted bat	20
	Little brown bat	33
	Western yellow bat	70
	Evening bat	200
	Microbats	514
	Free-tailed bats	597
	Big brown bat	645
	Silver-haired bat	669
	Brazilian free-tailed bat	930
	Bats	972
	Eastern pipistrelle	1,000
	Vesper bats	1,076
	Seminole bat	1,500
	Red bat	1,972
	Hoary bat	3,022
	Pocketed free-tailed bat	6,000
Birds	Black skimmer	0
	Black-necked stilt	0
	Cactus wren	0
	California towhee	0
	Carolina chickadee	0
	Chukar	0
	Clay-colored sparrow	0
	Common ground-dove	0
	Crows, ravens	0
	Eastern bluebird	0
	European golden-plover	0
	Field sparrow	0
	Great kiskadee	0
	Hammond's flycatcher	0
	Least bittern	0
	Lesser goldfinch	0
	Mountain chickadee	0
	Muscovy duck	0
	Northern bobwhite	0
	Northern fulmar	0
	Quails	0
	Say's phoebe	0
	Swans	0
	Thayer's gull	0
	Vaux's swift	0
	Western bluebird	0
	Western screech-owl	0

Wildlife: Species	
Whooping crane	0
Woodpeckers	0
Wild turkey	1
Prairie falcon	2
Brewer's sparrow	2
Buff-breasted sandpiper	2
Lark bunting	2
Common raven	3
Gray partridge	4
Ibises	5
Ring-necked pheasant	6
White-tailed kite	8
Scissor-tailed flycatcher	8
Falcons and Caracaras	8
Sanderling	8
Barred owl	10
Carolina wren	10
Lesser nighthawk	10
Herons	11
Crested caracara	13
Cooper's hawk	13
Snowy owl	16
Northern rough-winged s	16
Northern harrier	16
Wrens	18
Meadowlarks	18
Least tern	18
Bonaparte's gull	18
Barn owl	19
Piping plover	20
Wilson's plover	20
Western kingbird	24
Blackbirds, orioles	25
Chestnut-collared longspur	25
Boat-tailed grackle	26
Glaucous gull	27
Golden-crowned sparrow	28
Greater sage-grouse	28
Snow bunting	28
House sparrow	29
Merlin	29
American kestrel	32
Short-eared owl	33
American golden-plover	36

avy species neight			
Wildlife: An	Wildlife: Species		
Birds	Violet-green swallow	38	
	Ferruginous hawk	38	
	Loggerhead shrike	40	
	Willet	40	
	Mottled duck	42	
	Rough-legged hawk	43	
	Pigeons	43	
	Kentucky warbler	47	
	Snowy egret	47	
	Starlings	47	
	Doves	48	
	Barn swallow	50	
	Black-billed magpie	50	
	Brown thrasher	50	
	Parrots	50	
	Red knot	53	
	American black duck	55	
	Mourning dove	56	
	Killdeer	58	
	Glaucous-winged gull	58	
	Grouse	60	
	Terns	66	
	Great black-backed gull	71	
	Cliff swallow	73	
	Bank swallow	73	
	Eastern meadowlark	74	
	Grackles	75	
	Mute swan	75	
	Horned lark	80	
	Red-shouldered hawk	81	
	Egrets	83	
	Eastern kingbird	84	
	Blue jay	86	
	Sandpipers, curlews, phal	86	
	Mountain bluebird	86	
	Swallows	86	
	Great horned owl	89	
	Bobolink	90	
	Brewer's blackbird	93	
	Western meadowlark	94	
	Tree swallow	96	
	Finches	97	
	Belted kingfisher	100	
		100	

Herons, egrets, bitterns

100

Wildlife: Species	
Monk parakeet	100
Rusty blackbird	100
Snowy plover	100
Yellow-billed magpie	100
European starling	100
Baird's sandpiper	101
Peregrine falcon	108
Cattle egret	110
Rock pigeon	113
Caspian tern	115
Laughing gull	117
Dunlin	121
Ring-billed gull	123
Great-tailed grackle	124
Red-tailed hawk	125
Prairie warbler	125
Yellow-breasted chat	125
Herring gull	128
Northern mockingbird	128
Upland sandpiper	131
Great blue heron	134
Common nighthawk	135
American pipit	136
Eurasian collared dove	144
Purple finch	150
Vireos	150
California gull	155
Great egret	160
Owls	160
Sparrows	161
American crow	163
White ibis	167
House finch	167
Dickcissel	175
Burrowing owl	178
Surfscoter	180
Least sandpiper	186
Swainson's hawk	191
Brown-headed cowbird	197
American bittern	200
Common merganser	200
Mew gull	200
Zenaida dove	200
Green heron	205

	Wildlife: An	Wildlife: Species		
	Birds	Black-bellied whistling-du	2	208
		Plovers, lapwings	2	208
		Crows	2	210
		Osprey	2	212

Black-bellied whistling-du	208
Plovers, lapwings	208
Crows	210
Osprey	212
Pelicans	217
Red-winged blackbird	219
Golden eagle	229
White-winged dove	233
Swallow-tailed kite	233
Chuck-will's-widow	250
Marsh wren	250
Smith's longspur	275
Semipalmated sandpiper	278
Black-capped chickadee	286
Hawks	294
Nightjars	300
Winter wren	300
Black-crowned night-heron	300
Sandhill crane	302
Western gull	311
Shorebirds	328
Gulls, terns, kittiwakes	333
Larks	333
Gulls	338
Black-bellied plover	349
Towhees	350
Blackbirds	370
Bufflehead	375
Lapland longspur	376
Brown pelican	378
American avocet	400
McCown's longspur	400
American goldfinch	401
Franklin's gull	405
Vesper sparrow	413
Common grackle	425
American woodcock	432
White-eyed vireo	433
Bald eagle	436
Purple martin	444
Eagles	450
Western tanager	450
Western sandpiper	454
Wilson's warbler	464

. Wildlife: Species	
Savannah sparrow	485
Perching birds (z)	495
Bay-breasted warbler	500
Great cormorant	500
Lesser black-backed gull	500
Sharp-tailed grouse	500
Summer tanager	500
Yellow bittern	500
Lesser yellowlegs	567
Cave swallow	589
Common goldeneye	600
Nelson's sharp-tailed spa	600
Brant	611
Yellow-crowned night-her	628
Cardinals, buntings, sparr	633
Chimney swift	643
Acadian flycatcher	647
Grebes	650
Long-eared owl	650
Common snipe	655
Plovers	660
Anna's hummingbird	668
Pine siskin	675
Cackling goose	680
Golden-crowned kinglet	688
Canada goose	713
Magnolia warbler	714
Wilson's snipe	719
Double-crested cormorant	723
Pigeons, doves	729
Black-and-white warbler	750
Cape May warbler	750
Harris's sparrow	750
Swifts	750
Song sparrow	755
Greater scaup	767
Red-breasted merganser	767
Turkey vulture	771
Ruby-throated hummingb	780
Palm warbler	795
Brandt's cormorant	800
Mourning warbler	800
Mallard	803
American tree sparrow	829

	Wildlife: Species	
Birds	Wood stork	871
	Great crested flycatcher	900
	Pied-billed grebe	940
	Short-billed dowitcher	950
	Black-headed gull	1,000
	Bullock's oriole	1,000
	Long-billed dowitcher	1,000
	Yellow-throated warbler	1,004
	Indigo bunting	1,030
	Nashville warbler	1,044
	Ring-necked duck	1,050
	Townsend's warbler	1,050
	Semipalmated plover	1,058
	American redstart	1,067
	Common poorwill	1,067
	Perching birds (y)	1,069
	Cuckoos, roadrunners, anis	1,100
	Yellow-rumped warbler	1,127
	Cedar waxwing	1,136
	Sharp-shinned hawk	1,160
	Orchard oriole	1,167
	Greater yellowlegs	1,200
	Green-winged teal	1,217
	Rose-breasted grosbeak	1,233
	Tanagers	1,250
	Gray catbird	1,260
	Wood warblers	1,262
	Long-tailed duck	1,271
	Grasshopper sparrow	1,278
	Common tern	1,288
	Red-throated loon	1,300
	Northern flicker	1,319
	Band-tailed pigeon	1,325
	Ducks	1,330
	Anhinga	1,391
	Black vulture	1,393
	Little blue heron	1,400
	Northern parula	1,400
	Ruddy duck	1,400
	American wigeon	1,406
	Tyrant flycatchers	1,416
	New World Vultures	1,442
	Blackpoll warbler	1,443
	Lincoln's sparrow	1,444
	zeom o sparrow	±,¬¬¬¬

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Wildlife: Species	
Canvasback	1,446
Chipping sparrow	1,448
Wood duck	1,450
Tundra swan	1,486
White-throated swift	1,488
Blackburnian warbler	1,500
Yellow-billed cuckoo	1,500
Sage sparrow	1,510
Horned grebe	1,549
Hooded merganser	1,567
Gadwall	1,574
Western grebe	1,585
Lark sparrow	1,587
White-throated sparrow	1,614
Lesser scaup	1,622
Eastern towhee	1,633
American robin	1,669
Ovenbird	1,677
Common loon	1,693
Dark-eyed junco	1,724
Canada warbler	1,729
Common yellowthroat	1,752
Blue-headed vireo	1,767
Black-throated blue warbl	1,782
American coot	1,790
Hairy woodpecker	1,800
Sora	1,842
Northern pintail	1,897
Black-billed cuckoo	1,900
Scarlet tanager	1,929
Geese	1,938
Northern waterthrush	1,950
Black-headed grosbeak	2,000
Cuckoos	2,000
Kites, eagles, hawks	2,000
Loons	2,000
Wood thrush	2,070
Rails	2,100
White-crowned sparrow	2,119
Warbling vireo	2,122
Broad-winged hawk	2,138
Chestnut-sided warbler	2,140
Ducks, geese, swans	2,174
Thrashers, mockingbirds,	2,205

Wildlife: An	Wildlife: Species	
Birds	Ruby-crowned kinglet	2,210
	Hermit thrush	2,250
	Sprague's pipit	2,250
	Black-throated green war	2,300
	Thrushes	2,341
	Tennessee warbler	2,367
	Raptors: Hawks, eagles, v	2,380
	Whimbrel	2,400
	Greater white-fronted go	2,425
	House wren	2,433
	Virginia rail	2,500
	Pectoral sandpiper	2,523
	Hooded warbler	2,550
	American white pelican	2,564
	Cassin's vireo	2,600
	Red-eyed vireo	2,659
	Northern saw-whet owl	2,692
	Eastern phoebe	2,779
	Blue-gray gnatcatcher	2,783
	Northern shoveler	2,785
	Orange-crowned warbler	2,800
	Baltimore oriole	2,825
	Yellow-bellied flycatcher	2,825
	Swamp sparrow	2,836
	Gray-cheeked thrush	2,875
	White-faced ibis	2,914
	Spotted sandpiper	2,940
	Fox sparrow	2,943
	Yellow-bellied sapsucker	3,023
	Swainson's thrush	3,049
	Varied thrush	3,118
	Veery	3,317
	Pine warbler	3,338
	Redhead	3,350
	Cinnamon teal	3,400
	Painted bunting	3,500
	Yellow-headed blackbird	3,500
	Snow goose	3,528
	Green-tailed towhee	3,600
	Blue-winged teal	3,755
	Wilson's phalarope	3,767
	Common moorhen	4,000
	Red-naped sapsucker	4,000
	Spotted towhee	4,000

Wildlife: An	Wildlife: Species	
Birds	Least flycatcher	4,233
	Gray flycatcher	4,250
	Yellow warbler	4,276
	Red-necked phalarope	4,360
	Eastern wood-pewee	4,500
	Solitary sandpiper	4,500
	Red-necked grebe	5,000
	Pacific-slope flycatcher	7,000
	Willow flycatcher	9,000
	Eared grebe	10,000
	Long-billed curlew	15,000
Reptiles	American alligator	0
	Common snapping turtle	0
	Diamondback terrapin	0
	Eastern diamondback ratt	0
	Gopher tortoise	0
	Green iguana	0
	Pond slider	0
	Turtles	0
Terrestrial	Armadillo	0
Mammals	Badger	0
	Black-tailed jackrabbit	0
	Black-tailed prairie dog	0
	Common gray fox	0
	Deer	0
	Desert cottontail	0
	Domestic cat	0
	Domestic dog	0
	Eastern cottontail	0
	Foxes	0
	Gunnison's prairie dog	0
	Kit fox	0
	Muskrat	0
	North American porcupine	0
	Pronghorn	0
	Rabbits	0
	Raccoon	0
	Skunks	0
	Striped skunk	0
	Swine (pigs)	0
	Virginia opossum	0
	Wapiti (elk)	0
	White-tailed jackrabbit	0
	White-tailed prairie dog	0
	to tailed prairie dog	0

Terrestrial	Woodchuck	0
Mammals	Yellow-bellied marmot	0
	Mule deer	0
	Red fox	0
	Coyote	1
	White-tailed deer	10

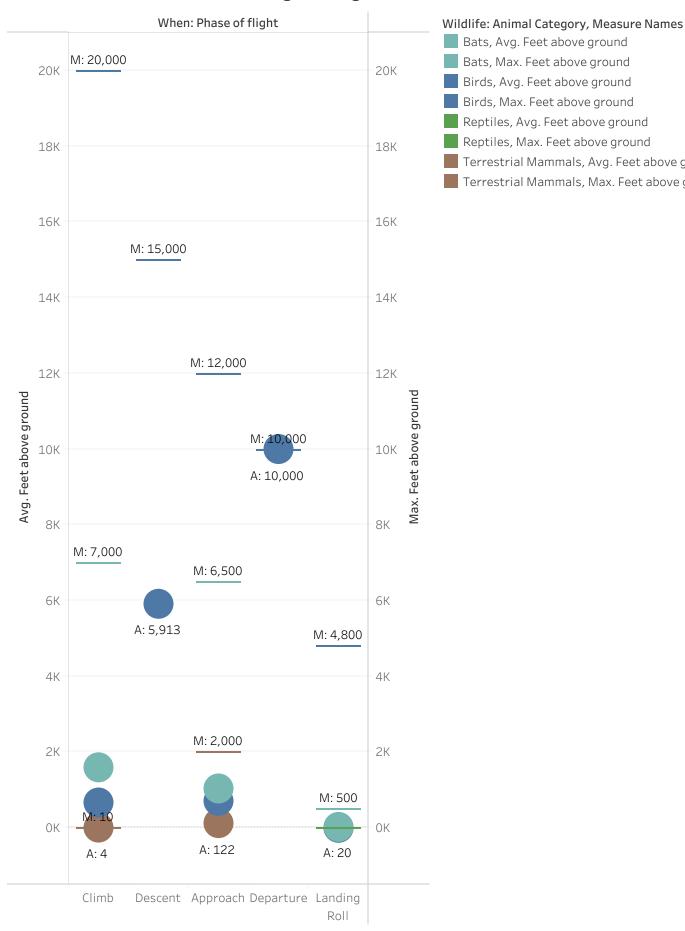
Ave Feet Above Ground vs Flight Stage

Bats, Avg. Feet above ground

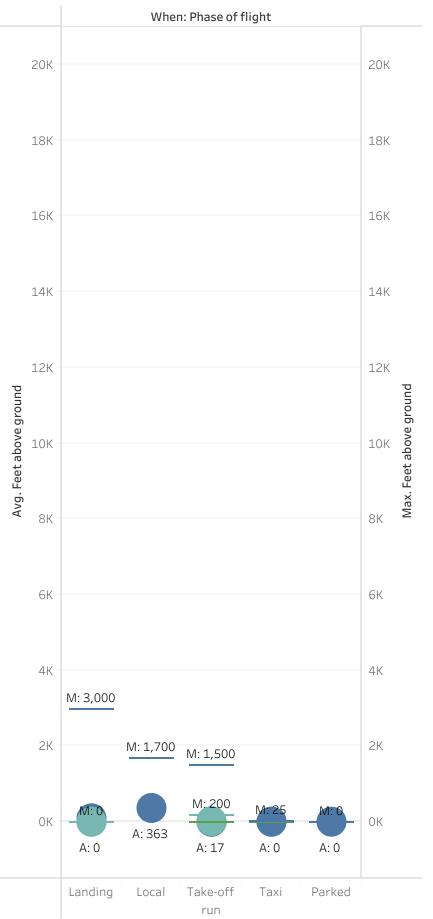
Bats, Max. Feet above ground

Birds, Avg. Feet above ground Birds, Max. Feet above ground Reptiles, Avg. Feet above ground Reptiles, Max. Feet above ground

Terrestrial Mammals, Avg. Feet above ground Terrestrial Mammals, Max. Feet above ground



Ave Feet Above Ground vs Flight Stage



Wildlife: Animal Category, Measure Names

Bats, Avg. Feet above ground
Bats, Max. Feet above ground

Birds, Avg. Feet above ground

Birds, Max. Feet above ground

Reptiles, Avg. Feet above ground
Reptiles, Max. Feet above ground

Terrestrial Mammals, Avg. Feet above ground

Terrestrial Mammals, Max. Feet above ground

Damage Cost Ref

	Wildlife: Animal Category					Wildlife: Animal Category
Effect: Amount of damage	Effect: Impact to flight		Terrestrial Mammals	Bats	Reptiles	Birds
		545	44		1	Terrestrial Mammals
		28,298 0.0193	28,298 0.0016		28,298 0.0000	Bats
None	Aborted Take-off	106	29		0.0000	Reptiles
		58,007	1,293		0	
		1,430,935	1,430,935		1,430,935	
		18	1			
		28,298	28,298			
	Engine Shut Down	0.0006	0.0000			
	Eligilic Slide Down	1,640	0			
		29,512	0			
		1,430,935	1,430,935	205	24	
		22,596 28,298	508 28,298	325 28,298	31 28,298	
		0.7985	0.0180	0.0115	0.0011	
	None	26	9	15	0.0011	
		586,747	4,441	4,955	0	
		1,430,935	1,430,935	1,430,935	1,430,935	
		299	43	2	1	
		28,298	28,298	28,298	28,298	
	Other	0.0106	0.0015	0.0001	0.0000	
	Other	864	136	0	0	
		258,209	5,855	0	0	
		1,430,935	1,430,935	1,430,935	1,430,935	
		756 28,298	13 28,298	4 28,298		
		0.0267	0.0005	0.0001		
	Precautionary Landing	637	0.0003	0.0001		
		481,916	0	0		
		1,430,935	1,430,935	1,430,935		
		60	18			
		28,298	28,298			
Minor	Aborted Take-off	0.0021	0.0006			
		4,336	7,882			
		260,142	141,879			
		18,557,982	18,557,982			
		28,298	28,298			
		0.0001	0.0001			
	Engine Shut Down	0	5,917			
		0	11,833			
		18,557,982	18,557,982			
		920	45			
		28,298	28,298			
	None	0.0325	0.0016			
		14,117 12,987,391	9,820 441,883			
		18,557,982	18,557,982			
		99	12			
		28,298	28,298			
	Othor	0.0035	0.0004			
	Other	16,458	29,590			
		1,629,390	355,084			
		18,557,982	18,557,982			
		238	4			
		28,298	28,298			
	Precautionary Landing	0.0084 9,309	0.0001 33,165			
		2,215,590	132,660			
		18,557,982	18,557,982			
		30	2			
		28,298	28,298			
Medium	Aborted Take-off	0.0011	0.0001			
Medium	Aported rake-on	12,998	0			
		389,940 11,063,872	0 11,063,872			

Damage Cost Ref

	Wildlife: Animal Category					
Effect: Amount of damage.	. Effect: Impact to flight		Terrestrial Mammals	Bats	Reptiles	
Medium	Engine Shut Down	10 28,298 0.0004 82,355 823,552 11,063,872	1 28,298 0.0000 0 0 11,063,872			
	None	329 28,298 0.0116 14,542 4,784,264 11,063,872	9 28,298 0.0003 39,064 351,573 11,063,872			
	Other	50 28,298 0.0018 36,527 1,826,331 11,063,872	4 28,298 0.0001 0 0 11,063,872			
	Precautionary Landing	123 28,298 0.0043 17,920 2,204,150 11,063,872	2 28,298 0.0001 6,786 13,571 11,063,872			
Substantial	Aborted Take-off	81 28,298 0.0029 212,233 17,190,892 224,781,943	17 28,298 0.0006 56,844 966,351 224,781,943			
	Engine Shut Down	108 28,298 0.0038 668,520 72,200,172 224,781,943	4 28,298 0.0001 144,067 576,266 224,781,943			
	None	270 28,298 0.0095 98,733 26,657,853 224,781,943	18 28,298 0.0006 81,814 1,472,660 224,781,943			
	Other	80 28,298 0.0028 114,917 9,193,356 224,781,943	31 28,298 0.0011 116,072 3,598,231 224,781,943			
	Precautionary Landing	312 28,298 0.0110 290,679 90,691,728 224,781,943	3 28,298 0.0001 14,394 43,181 224,781,943			
Destroyed	Aborted Take-off		2 28,298 0.0001 4,380,958 8,761,916 66,326,155			
	Engine Shut Down	1 28,298 0.0000 1,500,000 1,500,000 66,326,155				

Wildlife: Animal Category

Terrestrial Mammals

Birds

Bats
Reptiles

Damage Cost Ref

	Wildlife: Animal Category				Wildlife: Animal Category		
Effect: Amount of damage Effect: Impact to flight		Birds	Terrestrial Mammals		ats	Reptiles	Birds
Destroyed		4	3				Terrestrial Mammals
	Other	28,298	28,298				Bats
		0.0001	0.0001				Reptiles
		10,276,249	4,472,651				
		41,104,994	13,417,954				
		66,326,155	66,326,155				
	Precautionary Landing	1	1				
		28,298	28,298				
		0.0000	0.0000				
		55,281	0				
		55,281	0				
		66.326.155	66.326.155				