

How to avoid rookie mistakes

#NICAR16

MaryJo Webster, Tisha Thompson, Brent Jones, Matt Wynn

Basic best practices

Get to know your data first! Get documentation

Always make a backup copy!

No blank rows or columns

Don't "mix" info in same column

Avoid deleting fields

Run cross-checks on your results

Not so good documentation...

Offender

Number of Fields 15

	Type	Length		Name
1	SQLCHAR	6	""	OID
2	SQLCHAR	9	""	ObligationIdentifier
3	SQLCHAR	185	""	CommName
4	SQLCHAR	185	""	LegName
5	SQLCHAR	100	""	AuthID
6	SQLCHAR	1	""	Sex
7	SQLCHAR	8	""	DOB
8	SQLCHAR	1	""	LegStat
9	SQLCHAR	50	""	CurrStat
10	SQLCHAR	50	""	StatType
11	SQLCHAR	8	""	StatDate
12	SQLCHAR	25	""	CurrLoc
13	SQLCHAR	1	""	ISRecSend
14	SQLCHAR	20	""	DrvrLicID
15	SQLCHAR	2	"\r\n"	DrvrLicState

Note: The Offender table contains one record for each adult offender incarcerated in a Minnesota Correctional Facility as of and since January 18, 2014.

Better....

16		
17	OFFENDER	
18		
19	OID	offender ID number
20	ObligationIdentifier	obligation ID number
21	CommName	Name of offender
22	LegName	Legal name
23	AuthID	Authority name
24	Sex	offender gender
25	DOB	offender date of birth
26	LegStat	Legal status (A=adult)
27	CurrStat	Current status (as of when we got the data)
28	StatType	Status type
29	StatDate	Status date (date that the "current status" went into effect)
30	CurrLocation	Current location (as of when we got the data)
31	ISRecSend	
32	DrvrLicID	Driver license ID number
33	DrvrLicState	Driver license state
34		

Not such a good idea...

1							
2							
3	2007-3500	Kilgore, Lamc 2722 Bryant A	N/A	Hennepin	Black	M	
4	2006-3082	Hatcher, Jasc Hennepin Co	44.972084, -93.262234	45.018619, -93.262234	Hennepin	Black	M
5		Artison, Rash Hennepin Co	44.972084, -93.262234	N/A	Hennepin	N/A	M
6	N/A	Clay, Gloria "(N/A	N/A	N/A	Hennepin	N/A	F
7	2004-0140	Hamilton, Roger Upstairs at Bennigan's Restaurant, 6475 Wayzata Boule	Hennepin	White		M	
8	2004-0361	Guerrero, Del Childrens Health Care-Mpls (IN-PT)		Hennepin	Hispanic	M	
9							
10							
11							
12							
13							
14							

Avoid mixing information

Victm name	Location coordinates (latitude, longitude)	Age
Cannon, Kristina Marie	45.010881, -93.245572	17 years
Oliver, Timothy	N/A	32 years
Timothy St. John	45.014033, -93.321766	17 weeks
Guerrero, Dennis Alexander	45.010142, -93.285137	28 years
Tena, Bernardino Garcia; aka Garcia,	44.96487399999999, -93.275639	22 years

Better....

SUSPECTS	PROSECUTION	SENTENCE
Victor Demetrius Cole and Wayne Charles Armstrong-Morrow	Cole was found guilty by a jury of aiding and abetting second-degree murder and two counts of amended aiding and abetting attempted first-degree murder, after initially being charged with four counts of first-degree murder and one count of third-degree drug sale; Armstrong-Morrow pleaded guilty in a plea agreement to aiding and abetting second-degree murder and aiding and abetting attempted first-degree murder, after initially being charged with three counts of first-degree murder	Cole was sentenced to 261 months in prison; Armstrong-Morrow was sentenced to 261 months in prison
Tyeric Lessley	Pleaded guilty second-degree murder, one charge was dismissed	Sentenced to 128 months
Torrance Robinson	Robinson was charged with second-degree manslaughter with a gun, and pleaded guilty under a plea agreement	He was sentenced to a 50-month prison sentence
Terry Brown	Found guilty of second-degree unintentional murder and first-degree assault	Sentenced to 22 years and 1 months in prison
Ta-raj Tondell Sata Benness	Convicted of second-degree homicide and sentenced to 25 years in prison	

Better....

CASENUM	SUSPECTNUM	FIRST	MIDDLE	LAST	TopConviction	SentenceYrs	SentenceMonths
2004-1059	1	Lamont	Travis	Burgess	First-degree manslaughter	1	0
2004-1059	2	Larvell	Delshaun	Elmore	First-degree riot resulting in death	10	5
2004-1095	1	Jeremy		Davis	Second-degree manslaughter	5	0
2004-1133	1	Mickiah	Latrell	Jackson	First-degree manslaughter	0	105
2004-1190	1	Frank		Levy	Second-degree unintentional murder	0	13

So many problems!

A	B	C	D	E	F	G	H	I	J	K	L
1	Summary of MN Law Enforcement Rap										
2			BCA General Classification								
3	Agency	Reported as "Other"	Reason (as reported by agency)	Unfounded/False Report	Victim Not Participat	Jurisdiction	Testing not neede	Investigation close	Adjudicated	Consent	Unknown
4									1		
5	Cold Spring PD	2	Juvenile offender - adjudicated delinquent without needing kit results.							1	
6			Victim intoxicated. Unsure if assault occurred. Later recanted.								
7											
8	Cottage Grove PD	2	Alleged foreign body penetration only. Evidence doesn't support an assault		1						
9			Investigation disproved report of crime. Also no penetration alleged		1						
10											
11	Crystal PD	7	Unfounded by Investigator		1						
12			Death Investigation / Not Needed					1			
13			Inactivated by Investigator							1	
14			Inactivated by Investigator							1	
15			Inactivated by Investigator							1	
16			Unfounded by Investigator		1						
17			Unknown								1
18											
19	Elk River PD	3	Evidence contradicted victim statement		1						
20			Elements of crime not met		1						
21			Suspect committed suicide					1			
22											
23	Eveleth PD	2	Unable to substantiate an assault occurred		1						
24			Victim/reporting party admitted she falsely reported the assault and was subsequently convicted for falsely reporting a crime.		1						

Cleaning data

Look for dirty data. Don't wait for it to find you!

Learn good data cleaning techniques/tools

How many ways can you spell “Northside”?

OwnerName	parcels	total
NOERTHSIDE REGENERATION LLC	1	9.86
NOLRTHSIDE REGENERATION LLC	1	47.79
NOORTHSIDE REGENERATION LLC	1	120.54
NORHTSIDE REGENERATION LLC	1	56.13
NORTHHSIDE REGENERATION LLC	1	11.38
NORTHISDE REGENERATION LLC	1	396.68
NORTHSIDDE REGENERATION LLC	1	84.13
NORTHSIDE REGENERATION LLC	2	529.49
NORTHSIDE REGENEARTION LLC	1	0.0
NORTHSIDE REGENERAATION LLC	1	38.68
NORTHSIDE REGENERATIN LLC	3	626.93
NORTHSIDE REGENERATION LC	11	492.11
NORTHSIDE REGENERATION LCC	1	1350.13
NORTHSIDE REGENERATION LLC *200	1	125.85
NORTHSIDE REGENERATION LLC	1940	312159.05
NORTHSIDE REGENERATION	3	119.77
NORTHSIDE REGENERATIONLLC	1	11.38
NORTHSIDE REGENERATIONNN LLC	1	30.34
NORTHSIDE REGENERTION LLC	2	24.27
NORTHSIDE REGENRATION LLC	3	167.22
NORTHSIDE REGERATION LLC	2	299.48
NORTHSIDE REGERERATION LLC	1	295.2
NORTHSIDE REGNERATION LLC	3	108.58
NORTHSIDE RGENERATION LLC	3	124.32
NORTHSSIDE REGENERATION LLC	1	0.0
NORTHSIDE REGENERATION LLC	1	147.6
NORTJSIDE REGENERATION LLC	1	143.29
NORTSIDE REGENERATION LLC	4	185.0
NROTHSIDE REGENERATION LLC	1	12.89
ORTHSIDE REGENERATION LLC	1	18.96

Bulletproofing your work

Keep a trail of your analysis

Find ways to automate your work so it is replicable

Repeat your analysis

Have a colleague review your analysis

Run your analysis by your sources

Catching your mistakes using a data log

Species	Subspecies	Specific Name	Generic Name	Wildlife Desc	Qty	Unit	Value	Ctry Org	Ctry IE	Purp	Src	Act	Dp Cd	Disp Date	Ship Date	I E	Pt Cd	U.S.Importer/Exporter	Foreign Importer/Foreign Exporter
SPECIES			IGUANA	LPL	2	NO	\$ 1,241	XX	FR	T	W	R	S	1/22/2009	1/14/2009	I	ME	FILM FASHION	SWAROVSKI FRANCE SAS
RADIATA	RADIATED RAT		SNAKE	LPL	1	NO	\$ 588	FR	FR	T	W	R	S	1/22/2009	1/14/2009	I	ME	FILM FASHION	SWAROVSKI FRANCE SAS
SERVAL			SERVAL	SKI	2	NO	\$ -	NG	NG	P	W	R	A	1/16/2009	1/16/2009	I	DE		
SPECIES			CROCODILE	LPS	4	NO	\$ -	NG	NG	P	W	R	A	1/16/2009	1/16/2009	I	DE		
SPECIES			MONITOR	LPS	1	NO	\$ -	NG	NG	P	W	R	A	1/16/2009	1/16/2009	I	DE		
AFRICANA	AFRICAN		ELEPHANT	HAP	1	NO	\$ 1,750	ZA	ZA	P	W	R	R	1/22/2009	1/15/2009	I	ME		CAMBANOS & SON AGENCIES CC
	SHELLS		MOLLUSCS	JWL	3	NO	\$ 26	XX	MX	T	W	R	A	1/22/2009	1/14/2009	I	LO	THE REFRIED BEAN	ZAFIRO EXPORTACIONES SA DE CV
GROENLAND		HARP	SEAL	MED	36,000	NO	\$ 527	CA	CA	T	W	R	S	1/9/2009	1/8/2009	I	BN	BUFFALO VITAMIN OUTLET	HONSON PHARMATECH GROUP LTD
SCROFA	EUROPEAN	WILD HOG	SKI	1	NO	\$ -	AR	AR	T	W	R	S	1/7/2009	1/7/2009	I	AT	RESERVA LA COLORADA	RESERVA LA COLORADA	
AMERICANA	S. AMERICAN RED	BROCKET	SKU	1	NO	\$ -	AR	AR	T	W	R	S	1/7/2009	1/7/2009	I	AT	RESERVA LA COLORADA	RESERVA LA COLORADA	
SPECIES		OYSTER	JWL	10	NO	\$ 10	XX	CN	T	W	R	S	1/22/2009	1/21/2009	I	AN	ERICA LYONS INC	C & K FASHIONS INC.	
SPECIES	ABALONE	SHELL	JWL	22	NO	\$ 30	XX	CN	T	W	R	S	1/22/2009	1/21/2009	I	AN	ERICA LYONS INC	C & K FASHIONS INC.	
VIRGINIANUS	WHITE-TAILED	DEER	TRO	1	NO	\$ 4,000	MX	MX	P	W	R	A	1/21/2009	1/21/2009	I	NG		*	
VIRGINIANUS	WHITE-TAILED	DEER	TRO	1	NO	\$ 2,000	MX	MX	H	W	R	S	1/8/2009	1/8/2009	I	NG		RANCHO MAYEN	
SIAMENSIS	SIAMESE	CROCODILE	BOD	2	NO	\$ 20	TH	TH	P	W	R	S	1/23/2009	1/17/2009	I	AT			
SPECIES	FERRET	BADGER	HAP	7	NO	\$ 4	XX	CN	T	W	R	R	1/23/2009	1/13/2009	I	AN	AMERICAN INTERNATIONAL INDUSTRIES	YOUMAKE IT COSMETIC ACCESSORY CO.	
TIGRIS		TIGER	HAI	2	NO	\$ -	US	CA	P	C	R	S	1/14/2009	1/14/2009	I	DS		****	
AFRICANA	AFRICAN	ELEPHANT	TUS	1	NO	\$ -	NG	NG	P	W	R	S	1/22/2009	1/22/2009	I	HN			
	MAMMALS	ALL MAMMALS	JWL	2	NO	\$ -	NG	NG	P	W	R	S	1/22/2009	1/22/2009	I	HN			
	ALL SPECIES	ALL ELEPHANTS	MEA	2	NO	\$ 50	XX	LA	P	W	R	S	1/22/2009	1/19/2009	I	SF	NULL	NULL	
HUSO	BELLUGA	STURGEON	CAV	100	GM	\$ 200	IR	IR	P	W	R	S	1/23/2009	1/23/2009	I	DF			
IGUANA	COMMON	IGUANA	MEA	3	LB	\$ 150	SV	SV	T	W	R	A	1/22/2009	1/22/2009	I	LA			
IGUANA	COMMON	IGUANA	EGG	2	LB	\$ 100	SV	SV	T	W	R	A	1/22/2009	1/22/2009	I	LA			
TIGRIS		TIGER	MED	400	NO	\$ 100	XX	KH	P	W	R	S	1/23/2009	1/21/2009	I	HA			
SPECIES		PYTHON	SHO	2	NO	\$ 1,915	XX	ES	T	W	R	A	1/23/2009	1/13/2009	I	LA	SOCIEDAD TEXTIL LONIA CORPORATION	SOLIEDAD TEXTIL LONIA S.A.	
	GIANT	CLAM	SHE	6	NO	\$ 6	MH	MH	P	W	R	S	1/23/2009	1/23/2009	I	HA			
SPECIES		SEAHORSE	BOD	6	NO	\$ -	CN	CN	P	W	R	S	1/14/2009	1/14/2009	I	NW			
CULPAEUS		CULPEO	HAP	18	NO	\$ 760	AR	AR	T	C	R	S	1/23/2009	1/8/2009	I	ME	LILYBUG INCORPORATED	PIELES PORTO SRL	
SPECIES		CORAL	CPR	2	NO	\$ 44	US	DE	T	W	R	R	1/23/2009	1/18/2009	I	ME	MICHAEL C CARLOS MUSEUM	BIRI FAY	
SPECIES		CROCODILE	LPS	8	NO	\$ 10	XX	SG	T	W	R	S	1/23/2009	1/9/2009	I	ME	FINE GLOBAL ASSETS, LP.	NAM HENG LEATHER DYEING	
SPECIES		CROCODILE	OKL	2	NO	\$ -	TF	W	FD	T	W	R	S	1/24/2009	1/24/2009	I	ME	SOCCONTRIUM & PARTNERS	SOCCONTRIUM & PARTNERS

"Count" your data and track it with a log

ANIMAL SEIZURES LOG

NUMBER OF SEIZURES or abandoned 1.5 million
NUMBER OF ITEMS 2.3 million
TOTAL AMOUNT 60 million dollars

HUNTING
FASHION
MEDICINE

CONTROL NUMBER COUNTS

CountOfField1	Field1	Field20	Field24	Field25
130	2010657401	8/27/2010	CENTER FOR TROPICAL RESEARCH	MUSEO DE HISTORIA NATURAL
113	2011893218	11/30/2011	ED SPELDY EAST COMPANY, LTD.	ED SPELDY EAST COMPANY LTD
61	2012132113	8/3/2012		
54	2014416840	2/3/2014	DAYSEY'S KORTSCH	COOPORACION AMAZONIA EIRL
48	2012138822	8/24/2012	PARAMOUNT OVERSEAS PRODUCTION INC	KEN THORNE
40	2014401292	1/13/2014	JRC INTERNET SALES	BKECIL SUPPLY
32	2014446837	4/7/2014	TUBARI LTD. A CORPORATION	NORTH AMERICAN FUR AUCTIONS
32	2012182917	11/14/2012	YVES SAINT LAURENT AMERICA, INC.	GUCCI SINGAPORE PTE LTD.
31	2012984335	4/20/2012	HOWARD S ROSE GALLERY INC	ARTE PRIMITIVO C/O ARTS-FRANCE SA
30	2013383791	11/11/2013	DER DAU CUSTOM BOOTS & SHOES	DER DAU CUSTOM BOOTS AND SHOES

SPECIES CODE

CountOfField2	Field2
1139	ALLM
1077	MOLL
829	WDER
827	SC00
753	PYTR
747	CY?
741	STGI
690	CHEL
656	HPC?
643	STCA
627	CRO?
506	SALA

NOTE: I don't have a key for what these are – pretty sure it's alligator at the top

YOU WILL HAVE A RECORD
OF THE MISTAKES YOU
COULD HAVE MADE!!!

SPECIFIC NAME

Query5	
CountOfField8	Field8
3716	
1342	AMERICAN
1077	SHELLS
831	STONY
829	WHITE-TAILED
818	AFRICAN
752	RETICULATED
741	QUEEN
644	SOUTHERN AFRICAN
635	COMMON
621	ALL SPECIES

GENERIC NAME

Query5	
CountOfField9	Field9
2030	CORAL
1798	DEER
1623	PYTHON
1610	CROCODILE
1142	ALLIGATOR
1102	MOLLUSCS
942	CAIMAN
861	SEA TURTLE
834	CONCH

YOU WILL QUICKLY
FIND TIPS IN THE DATA

Counts force to double-check yourself

CountOfQty		Qty																	
Species	Subspecies	Specific Name	Generic Name	Wildl/Dec	Qty	Unit	Value	Ctry Org	Ctry IE	Purp	Src	Act	Dp Cd	Disp Date	Ship Date	I E	Pt Cd	U.S. Importer/Exporter	Foreign Importer/Foreign Exporter
SPECIES			IGUANA	LPL	2	NO	\$ 241	XX	FR	T	W	R	S	1/22/2009	1/14/2009	I	ME	FILM FASHION	SWAROVSKI FRANCE SAS
RADIATA		RADIATED RAT	SNAKE	LPL	1	NO	\$ 188	FR	FR	T	W	R	S	1/22/2009	1/14/2009	I	ME	FILM FASHION	SWAROVSKI FRANCE SAS
SERVAL			SERVAL	SKI	2	NO	\$ -	NG	NG	P	W	R	A	1/16/2009	1/16/2009	I	DE		
SPECIES			CROCODILE	LPS	4	NO	\$ -	NG	NG	P	W	R	A	1/16/2009	1/16/2009	I	DE		
SPECIES			MONITOR	LPS	1	NO	\$ -	NG	NG	P	W	R	A	1/16/2009	1/16/2009	I	DE		
AFRICANA		AFRICAN	ELEPHANT	HAP	1	NO	\$ 1,750	ZA	ZA	P	W	R	R	1/22/2009	1/15/2009	I	ME		CAMBANOS & SON AGENCIES CC
		SHELLS	MOLLUSCS	JWL	3	NO	\$ 28	XX	MX	T	W	R	A	1/22/2009	1/14/2009	I	LO	THE REFRIED BEAN	ZAFIRO EXPORTACIONES SA DE CV
GROENLAND		HARP	SEAL	MED	36,000	NO	\$ 527	CA	CA	T	W	R	S	1/9/2009	1/8/2009	I	BN	BUFFALO VITAMIN OUTLET	HONSON PHARMATECH GROUP LTD
SCROFA		EUROPEAN	WILD HOG	SKI	1	NO	\$ -	AR	AR	T	W	R	S	1/7/2009	1/7/2009	I	AT	RESERVA LA COLORADA	RESERVA LA COLORADA
AMERICANA		S. AMERICAN RED	BROCKET	SKU	1	NO	\$ -	AR	AR	T	W	R	S	1/7/2009	1/7/2009	I	AT	RESERVA LA COLORADA	RESERVA LA COLORADA
SPECIES			OYSTER	JWL	10	NO	\$ 10	XX	CN	T	W	R	S	1/22/2009	1/21/2009	I	AN	ERICA LYONS INC	C & K FASHIONS INC.
SPECIES		ABALONE	SHELL	JWL	22	NO	\$ 30	XX	CN	T	W	R	S	1/22/2009	1/21/2009	I	AN	ERICA LYONS INC	C & K FASHIONS INC.
VIRGINIANUS		WHITE-TAILED	DEER	TRO	1	NO	\$ 4,000	MX	MX	P	W	R	A	1/21/2009	1/21/2009	I	NG		*
VIRGINIANUS		WHITE-TAILED	DEER	TRO	1	NO	\$ 4,000	MX	MX	H	W	R	S	1/8/2009	1/8/2009	I	NG		RANCHO MAYEN
SIAMENSIS		SIAMESE	CROCODILE	BOL	2	NO	\$ 20	TH	TH	P	W	R	S	1/23/2009	1/17/2009	I	AT		
SPECIES		FERRET	BADGER	HAP	7	NO	\$ 4	XX	CN	T	W	R	R	1/23/2009	1/13/2009	I	AN	AMERICAN INTERNATIONAL INDUSTRIES	YOU MAKE IT COSMETIC ACCESSORY CO.

THE MEASUREMENTS ARE ALL DIFFERENT!!! I INITIALLY THOUGHT THE "QTY" WAS A "UNIT" AND NOT NECESSARILY A KG OR MG OR EVEN LBS!!!

45,499 SQUID MEAT 45,499 KILOGRAMS VALUE \$98303 TATOOSH SEAFOOD

43,500 RUSSIAN STURGEON 43,500 MILLIGRAMS \$48,052 LA PRAIRIE INC

41,500 SQUID MEAT 41500 LB \$85,148 PACIFIC SEAFOOD

40,975 SQUID WHOLE ANIMAL 40,975 LB SEATTLE SEAFOOD USA INC

39,938 QUEEN CONCH MEAT 39,938 LB \$201,075

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Costly Keepsakes: How the Government Is Cracking Down on Animal Contraband

By Tisha Thompson



COSTLY KEEPSAKES



TRENDING STORIES

- 1 Northern Virginia Schools Receive Bomb Threats
- 2 **VIDEO** Knife Found on OJ Simpson's Former Estate: Police
- 3 Va. Man Wins \$2.5 M While Waiting for Car
- 4 **VIDEO** Wrong Body? Mystery Solved
- 5 Ex-School Aide Pleads Not Guilty in Child Porn Case

It's a warehouse with more than a million examples of the strange and unusual things people take or make from wild animals.

Elephant toenails. Mounted macaques. A bag filled with 1,824 snake gall bladders. It's all here in the National Wildlife Property Repository in Denver, Colorado.

- **The High Price of Using Animals for Fashion**

- **A Fashion Faux Pas: The High Price of Using Animals for Fashion**

That's where U.S. Fish and Wildlife inspectors send animal contraband seized at customs from people who try to bring them into the country, despite the United States' strict laws limiting imports of animal products.



PHOTOS: Unusual Items at the National Wildlife Property Repository

A Fashion Faux Pas: The High Price of Using Animals for Fashion

By Tisha Thompson



News4 I-Team's Tisha Thompson reports on some of the luxury goods made from animals that are illegally brought to the U.S. (Published Wednesday, May 22, 2013)

A parrot feather hat, a crocodile skin corset, boots made of elephant skin: Doni Sprague has it all in a warehouse of fashion.

"There's really no bounds or limits in this business," she said.



PHOTOS: Unusual Items at the National Wildlife Property Repository

But Sprague didn't buy this stuff. This collection costs more than money, so the U.S. government seized it.

"It's greed in a lot of sense, that's what it boils down to," said Special Agent in Charge Steve Oberholzer with the U.S. Fish and Wildlife Service.



Costly Keepsakes: How the Government Is Cracking Down on Animal Contraband

valoi-2.zip

valoi-1.zip

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Couture Contraband: Why Some High Fashion Can't Walk the Runway

By Tisha Thompson and Rick Yarborough



TRENDING STORIES

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- 3 **VIDEO** Knife Found on OJ Simpson's Former Estate: Police
- 4 **VIDEO** Wrong Body? Mystery Solved
- 5 Dad Who Molested Cancer-Stricken Daughter Avoids Prison

The News 4 I-Team finds high-end luxury and fashion brands on a list of government seizures. Tisha Thompson reports. (Published Tuesday, Sept. 9, 2014)

In the thick of New York Fashion Week, models strut down the runway clothed in exotic leathers and snakeskins.

But some of the most high-end designs never make it to the runway.

Look carefully at a picture of Naomi Campbell in a feather creation from Alexander McQueen's 2010 collection. Very few of these \$14,000 gowns exist.

But the News4 I-Team found one -- inside a government warehouse.

The U.S. has some of the strictest wildlife protection laws in the world. So while Campbell wore that dress to McQueen's memorial service in London in 2010, the U.S. Fish and Wildlife Service said it was seized when the company tried to import it into the United States.

"Our biggest thing is to make sure endangered species don't end up on the shelves at the stores in America," said Naimah Aziz, who is in charge of a team of USFWS inspectors who see what's headed to the runway long before anyone else.

They work at the Port of New York, sorting through more than 30,000 shipments a year to make sure the python on a \$5,000 trench coat, for example, came from a sustainable source. (That coat passed inspection.)

When inspectors find a problem, the fashions are added to their growing collection of seizures.

Aziz showed a briefcase made of saltwater crocodile, a boa constrictor wallet, a clutch made of rock python. There was a monitor lizard handbag. And another wallet, made from guana.



If you don't count...you will make a HUGE mistake

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AI
1	Org Name	Station ID	State	County	HUC	Generate	Station L	Station Lc	Station H	Visit	Activity I	Activity Start	Activity St	Activity M	Activity T	Activity C	Activity D	Activity D	Characteristic Name	Sample Fr	Value	Type	Statistic	T Result	Va	Result Va	Units	Analytical Proc ID
105000	Delaware DE874305	DELAWAR SUSSEX	2060010	38.678	-75.069	NADB3	DE874305	9/2/2014 0:00	Water	Sample-R	Sample-Routine		Enterococcus	Actual		Final	5	#/100mL	IDEXX*Enterolert2000									
105001	Delaware DE486372	DELAWAR SUSSEX	2060010	38.6207	-75.064	NADB3	DE486372	9/2/2014 0:00	Water	Sample-R	Sample-Routine		Enterococcus	Actual		Final	10	#/100mL	IDEXX*Enterolert2000									
105002	Delaware DE002369	DELAWAR SUSSEX	2060010	38.6058	-75.061	NADB3	DE002369	9/2/2014 0:00	Water	Sample-R	Sample-Routine		Enterococcus	Actual		Final	5	#/100mL	IDEXX*Enterolert2000									
105003	Delaware DE133779	DELAWAR SUSSEX	2060010	38.7202	-75.076	NADB3	DE133779	9/2/2014 0:00	Water	Sample-R	Sample-Routine		Enterococcus	Actual		Final	10	#/100mL	IDEXX*Enterolert2000									
105004	Delaware DE237526	DELAWAR SUSSEX	2060010	38.5455	-75.056	NADB3	DE237526	9/2/2014 0:00	Water	Sample-R	Sample-Routine		Enterococcus	Actual		Final	5	#/100mL	IDEXX*Enterolert2000									
105005	Delaware DE177694	DELAWAR SUSSEX	2060010	38.5143	-75.053	NADB3	DE177694	9/2/2014 0:00	Water	Sample-R	Sample-Routine		Enterococcus	Actual		Final	5	#/100mL	IDEXX*Enterolert2000									
105006	Delaware DE481609	DELAWAR SUSSEX	2060010	38.491	-75.051	NADB3	DE481609	9/2/2014 0:00	Water	Sample-R	Sample-Routine		Enterococcus	Actual		Final	5	#/100mL	IDEXX*Enterolert2000									
105007	Delaware DE842777	DELAWAR SUSSEX	2060010	38.4516	-75.055	NADB3	DE842777	9/2/2014 0:00	Water	Sample-R	Sample-Routine		Enterococcus	Actual		Final	10	#/100mL	IDEXX*Enterolert2000									
105008	Delaware DE133780	DELAWAR SUSSEX	2060010	38.7084	-75.074	NADB3	DE133780	9/2/2014 0:00	Water	Sample-R	Sample-Routine		Enterococcus	Actual		Final	20	#/100mL	IDEXX*Enterolert2000									
105009	Delaware DE770315	DELAWAR SUSSEX	2060010	38.697	-75.073	NADB3	DE770315	9/2/2014 0:00	Water	Sample-R	Sample-Routine		Enterococcus	Actual		Final	5	#/100mL	IDEXX*Enterolert2000									
105010	Delaware DE156816	DELAWAR SUSSEX	2060010	38.694	-75.072	NADB3	DE156816	9/2/2014 0:00	Water	Sample-R	Sample-Routine		Enterococcus	Actual		Final	5	#/100mL	IDEXX*Enterolert2000									
105011	Delaware DE133781	DELAWAR SUSSEX	2060010	38.7168	-75.075	NADB3	DE133781	9/2/2014 0:00	Water	Sample-R	Sample-Routine		Enterococcus	Actual		Final	5	#/100mL	IDEXX*Enterolert2000									
105012	Delaware DE467892	DELAWAR SUSSEX	2040207	38.8548	-75.242	NADB3	DE467892	9/2/2014 0:00	Water	Sample-R	Sample-Routine		Enterococcus	Actual		Final	20	#/100mL	IDEXX*Enterolert2000									
105013	Delaware DE235714	DELAWAR SUSSEX	2060010	38.5925										Actual		Final	5	#/100mL	IDEXX*Enterolert2000									
105014	Delaware DE570520	DELAWAR SUSSEX	2060010	38.6489										Actual		Final	5	#/100mL	IDEXX*Enterolert2000									
105015	Delaware DE189943	DELAWAR SUSSEX	2060010	38.7664										Actual		Final	5	#/100mL	IDEXX*Enterolert2000									
105016	Delaware DE785659	DELAWAR SUSSEX	2040207	38.924										Actual		Final	31	#/100mL	IDEXX*Enterolert2000									
105017	Delaware DE955133	DELAWAR SUSSEX	2040207	38.8259										Actual		Final	20	#/100mL	IDEXX*Enterolert2000									
105018	Delaware DE235714	DELAWAR SUSSEX	2060010	38.5925										Actual		Final	5	#/100mL	IDEXX*Enterolert2000									
105019	Delaware DE772724	DELAWAR SUSSEX	2060010	38.7806										Actual		Final	10	#/100mL	IDEXX*Enterolert2000									
105020	Delaware DE570520	DELAWAR SUSSEX	2060010	38.6489										Actual		Final	10	#/100mL	IDEXX*Enterolert2000									
105021	Delaware DE731303	DELAWAR SUSSEX	2060010	38.6636										Actual		Final	10	#/100mL	IDEXX*Enterolert2000									
105022	Delaware DE734395	DELAWAR SUSSEX	2060010	38.7252										Actual		Final	5	#/100mL	IDEXX*Enterolert2000									
105023	Delaware DE189943	DELAWAR SUSSEX	2060010	38.7664										Actual		Final	5	#/100mL	IDEXX*Enterolert2000									
105024	Delaware DE770315	DELAWAR SUSSEX	2060010	38.697										Actual		Final	5	#/100mL	IDEXX*Enterolert2000									
105025	Delaware DE156816	DELAWAR SUSSEX	2060010	38.694	-75.072	NADB3	DE156816	7/7/2014 0:00	Water	Sample-R	Sample-Routine		Enterococcus	Actual		Final	5	#/100mL	IDEXX*Enterolert2000									
105026	Delaware DE785659	DELAWAR SUSSEX	2040207	38.924	-75.311	NADB3	DE785659	7/7/2014 0:00	Water	Sample-R	Sample-Routine		Enterococcus	Actual		Final	5	#/100mL	IDEXX*Enterolert2000									
105027	Delaware DE955133	DELAWAR SUSSEX	2040207	38.8259	-75.208	NADB3	DE955133	7/7/2014 0:00	Water	Sample-R	Sample-Routine		Enterococcus	Actual		Final	20	#/100mL	IDEXX*Enterolert2000									
105028	Delaware DE578127	DELAWAR SUSSEX	2060010	38.7865	-75.086	NADB3	DE578127	7/7/2014 0:00	Water	Sample-R	Sample-Routine		Enterococcus	Actual		Final	5	#/100mL	IDEXX*Enterolert2000									
105029	Delaware DE133779	DELAWAR SUSSEX	2060010	38.7202	-75.076	NADB3	DE133779	7/7/2014 0:00	Water	Sample-R	Sample-Routine		Enterococcus	Actual		Final	10	#/100mL	IDEXX*Enterolert2000									
105030	Delaware DE133780	DELAWAR SUSSEX	2060010	38.7084	-75.074	NADB3	DE133780	7/7/2014 0:00	Water	Sample-R	Sample-Routine		Enterococcus	Actual		Final	10	#/100mL	IDEXX*Enterolert2000									
105031	Delaware DE874305	DELAWAR SUSSEX	2060010	38.678	-75.069	NADB3	DE874305	7/7/2014 0:00	Water	Sample-R	Sample-Routine		Enterococcus	Actual		Final	10	#/100mL	IDEXX*Enterolert2000									
105032	Delaware DE486372	DELAWAR SUSSEX	2060010	38.6207	-75.064	NADB3	DE486372	7/7/2014 0:00	Water	Sample-R	Sample-Routine		Enterococcus	Actual		Final	10	#/100mL	IDEXX*Enterolert2000									
105033	Delaware DE002369	DELAWAR SUSSEX	2060010	38.6058	-75.061	NADB3	DE002369	7/7/2014 0:00	Water	Sample-R	Sample-Routine		Enterococcus	Actual		Final	5	#/100mL	IDEXX*Enterolert2000									
105034	Delaware DE237526	DELAWAR SUSSEX	2060010	38.5455	-75.056	NADB3	DE237526	7/7/2014 0:00	Water	Sample-R	Sample-Routine		Enterococcus	Actual		Final	5	#/100mL	IDEXX*Enterolert2000									
105035	Delaware DE177694	DELAWAR SUSSEX	2060010	38.5143	-75.053	NADB3	DE177694	7/7/2014 0:00	Water	Sample-R	Sample-Routine		Enterococcus	Actual		Final	5	#/100mL	IDEXX*Enterolert2000									
105036	Delaware DE133781	DELAWAR SUSSEX	2060010	38.7168	-75.075	NADB3	DE133781	7/7/2014 0:00	Water	Sample-R	Sample-Routine		Enterococcus	Actual		Final	41	#/100mL	IDEXX*Enterolert2000									
105037	Delaware DE467892	DELAWAR SUSSEX	2040207	38.8548	-75.242	NADB3	DE467892	7/7/2014 0:00	Water	Sample-R	Sample-Routine		Enterococcus	Actual		Final	20	#/100mL	IDEXX*Enterolert2000									
105038	Delaware DE481609	DELAWAR SUSSEX	2060010	38.491	-75.051	NADB3	DE481609	7/7/2014 0:00	Water	Sample-R	Sample-Routine		Enterococcus	Actual		Final	5	#/100mL	IDEXX*Enterolert2000									
105039	Delaware DE842777	DELAWAR SUSSEX	2060010	38.4516	-75.058	NADB3	DE842777	7/7/2014 0:00	Water	Sample-R	Sample-Routine		Enterococcus	Actual		Final	10	#/100mL	IDEXX*Enterolert2000									
105040	Delaware DE096533	DELAWAR SUSSEX	2060010	38.7522	-75.081	NADB3	DE096533	7/7/2014 0:00	Water	Sample-R	Sample-Routine		Enterococcus	Actual		Final	5	#/100mL	IDEXX*Enterolert2000									
105041	Delaware DE772723	DELAWAR SUSSEX	2040207	38.7824	-75.13	NADB3	DE772723	7/7/2014 0:00	Water	Sample-R	Sample-Routine		Enterococcus	Actual		Final	5	#/100mL	IDEXX*Enterolert2000									
105042	Delaware DE578127	DELAWAR SUSSEX	2060010	38.7056	-75.086	NADB3	DE578127	9/11/2014 0:00	Water	Sample-R	Sample-Routine		Enterococcus	Actual		Final	10	#/100mL	IDEXX*Enterolert2000									
105043	Delaware DE237526	DELAWAR SUSSEX	2060010	38.5455	-75.056	NADB3	DE237526	9/11/2014 0:00	Water	Sample-R	Sample-Routine		Enterococcus	Actual		Final	10	#/100mL	IDEXX*Enterolert2000									
105044	Delaware DE842777	DELAWAR SUSSEX	2060010	38.4516	-75.058	NADB3	DE842777	9/11/2014 0:00	Water	Sample-R	Sample-Routine		Enterococcus	Actual		Final	5	#/100mL	IDEXX*Enterolert2000									
105045	Delaware DE133781	DELAWAR SUSSEX	2060010	38.7168	-75.075	NADB3	DE133781	9/11/2014 0:00	Water	Sample-R	Sample-Routine		Enterococcus	Actual		Final	10	#/100mL	IDEXX*Enterolert2000									
105046	Delaware DE156816	DELAWAR SUSSEX	2060010	38.694	-75.072	NADB3	DE156816	9/11/2014 0:00	Water	Sample-R	Sample-Routine		Enterococcus	Actual		Final	5	#/100mL	IDEXX*Enterolert2000									

This is the original “poop in the water data I downloaded. I still don't know what I did wrong, but it has 105,046 lines of data and for some bizarre reason I never did any counts!!!!”

Why someone else should always look at your work!

From: Hsu, Nelson (NBCUniversal)
To: Thompson, Tisha (NBCUniversal)
Cc:
Subject: Re: questions about data

Sorry, as I'm going thru the data thoroughly now and I'm noticing more (no recent dates):

Rehoboth Beach-Delaware Ave Beach
Lewes Beach

Looks like a majority of Maryland only goes to 2012.

And looks like all of VA only goes up to 2010.

I'm not sure how useful this map is going to be with such old data for MD and VA.

What did I do??????

I have no idea what I did wrong because I didn't keep a log of my import. This was several weeks after I did the work. I couldn't even remember which dataset I imported!

EPA United States Environmental Protection Agency

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BEACON 2.0 (Beach Advisory and Closing Online Notification)

BEACON 2.0 is an online system to obtain state-reported beach monitoring and notification data.

[Basic Information](#) [Get Data/Tool](#) [Learn More](#)

Under the Beaches Environmental Assessment and Coastal Health (BEACH) Act of 2000, EPA provides annual grants to coastal and Great Lakes states, territories and eligible tribes. This funding helps local authorities monitor their coastal and Great Lakes beaches and notify the public of water quality conditions that may be unsafe for swimming.

Overview of BEACON 2.0

The U.S. Environmental Protection Agency (EPA) created the BEach Advisory and Closing Online Notification (BEACON) system to meet the Agency's requirement to provide to the public a database of pollution occurrences for coastal recreation waters. EPA's response to this requirement, BEACON, contains state-reported beach monitoring and notification data. EPA recently updated BEACON to include several enhancements and has named the new system BEACON 2.0.

[Contact Us](#) to ask a question, provide feedback, or report a problem.

EPA United States Environmental Protection Agency

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STOrage and RETrieval and Water Quality eXchange

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Basic Information about STORET and WQX

Water quality monitoring is a crucial aspect to protecting water resources. State, Tribal and Federal agencies must monitor lakes, streams, rivers and other types of water bodies to assist them in determining water quality condition. From these monitoring activities, water quality monitoring data is generated. Without this data, water resource managers cannot know where pollution problems exist, where we need to focus our pollution control energies or where we've made progress.

- [Frequent Questions about STORET and WQX](#)
- [STORET Warehouse Dashboard Overview](#)
- [STORET Watershed Summary Tool](#)

Portal Data Flow

With the National Water Quality Monitoring Council (NWWMC), the Water Quality Portal (WQP) integrates publicly available water-quality data, through use of the Water Quality Exchange (WQX), from the USGS National Water Information System (NWIS), EPA Storage and Retrieval Data Warehouse (STORET), and USDA ARS Sustaining the Earth's Watersheds, Agricultural Research Data System (STEWARDS).

The diagram shows the following flow of data:

- A laptop connects to a 'WQX' icon.
- The 'WQX' icon connects to a 'WQX Web' icon.
- The 'WQX Web' icon connects to a blue cylinder labeled 'EPA'.
- The 'EPA' cylinder connects to a green cylinder labeled 'USGS'.
- The 'USGS' cylinder connects to a brown cylinder labeled 'USDA'.
- The 'USDA' cylinder connects to a grey cylinder labeled 'WQP'.
- The 'WQP' cylinder connects to a blue cylinder labeled 'WQX'.
- The 'WQX' cylinder connects to a laptop labeled 'Users'.

[View larger image.](#)

[Contact Us](#) to ask a question, provide feedback, or report a problem.

If you have no one else, always replicate your imports and analysis from scratch

	A	B	C	D	E	F
1	BEACH ID	BEACH NAME	COUNTY	LAT	LONG	DATE
14405		ASSATEAGUE ISLAND	Accomack	37.890270	-75.340891	6/10/201
14406		ASSATEAGUE ISLAND	Accomack	37.886515	-75.343120	6/10/201
14407		ASSATEAGUE ISLAND	Accomack	37.890270	-75.340891	6/3/201
14408		ASSATEAGUE ISLAND	Accomack	37.886515	-75.343120	6/3/201
14409		ASSATEAGUE ISLAND	Accomack	37.886515	-75.343120	5/27/201
14410		ASSATEAGUE ISLAND	Accomack	37.890270	-75.340891	8/27/201
14411		ASSATEAGUE ISLAND	Accomack	37.886515	-75.343120	8/27/201
14412		ASSATEAGUE ISLAND	Accomack	37.890270	-75.340891	8/20/201
14413		ASSATEAGUE ISLAND	Accomack	37.886515	-75.343120	8/20/201
14414		ASSATEAGUE ISLAND	Accomack	37.890270	-75.340891	8/15/201
14415		ASSATEAGUE ISLAND	Accomack	37.886515	-75.343120	8/15/201
14416		ASSATEAGUE ISLAND	Accomack	37.890270	-75.340891	8/12/201
14417		ASSATEAGUE ISLAND	Accomack	37.886515	-75.343120	8/12/201
14418		ASSATEAGUE ISLAND	Accomack	37.890270	-75.340891	8/5/201
14419		ASSATEAGUE ISLAND	Accomack	37.886515	-75.343120	8/5/201
14420		ASSATEAGUE ISLAND	Accomack	37.890270	-75.340891	7/29/201
14421		ASSATEAGUE ISLAND	Accomack	37.886515	-75.343120	7/29/201
14422		ASSATEAGUE ISLAND	Accomack	37.890270	-75.340891	7/22/201
14423		ASSATEAGUE ISLAND	Accomack	37.886515	-75.343120	7/22/201
14424		ASSATEAGUE ISLAND	Accomack	37.890270	-75.340891	7/16/201
14425		ASSATEAGUE ISLAND	Accomack	37.886515	-75.343120	7/16/201
14426		ASSATEAGUE ISLAND	Accomack	37.890270	-75.340891	7/8/201
14427		ASSATEAGUE ISLAND	Accomack	37.886515	-75.343120	7/8/201
14428		ASSATEAGUE ISLAND	Accomack	37.890270	-75.340891	7/1/201
14429		ASSATEAGUE ISLAND	Accomack	37.886515	-75.343120	7/1/201
14430		ASSATEAGUE ISLAND	Accomack	37.890270	-75.340891	6/24/201
14431		ASSATEAGUE ISLAND	Accomack	37.886515	-75.343120	6/24/201
14432		ASSATEAGUE ISLAND	Accomack	37.890270	-75.340891	6/19/201
14433		ASSATEAGUE ISLAND	Accomack	37.886515	-75.343120	6/19/201
14434		ASSATEAGUE ISLAND	Accomack	37.890270	-75.340891	6/17/201
14435		ASSATEAGUE ISLAND	Accomack	37.890270	-75.340891	6/10/201
14436		ASSATEAGUE ISLAND	Accomack	37.886515	-75.343120	6/10/201
14437		ASSATEAGUE ISLAND	Accomack	37.890270	-75.340891	6/5/201
14438		ASSATEAGUE ISLAND	Accomack	37.886515	-75.343120	6/5/201
14439		ASSATEAGUE ISLAND	Accomack	37.890270	-75.340891	5/28/201
14440		ASSATEAGUE ISLAND	Accomack	37.886515	-75.343120	5/28/201

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Taking a Dip in Virginia: What's in the Water at the Beach? By Tisha Thompson and Rick Yarborough

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Swimming Advisories 70 In 2014 4

As we head into Memorial Day weekend, check out what Tisha Thompson and the News 4 I-Team found when they took a hard look at what's in the water at Virginia's beaches. (Published Wednesday, May 20, 2015)

You never know what's in here.

Steve Valentine said people often give him a funny look when they see him in his brown waders, carrying a long yellow stick with an automotive clamp attached to the end.

"The hardest part is trying to stay upright," he said as he carefully inched into the waves of the Potomac River before clamping a small plastic bottle onto his pole and dropping it into the water. "Just clip it in."

But when he tells them, Valentine said people are fascinated by what he does. "There's a lot of citizens that are concerned."

Valentine is just one of dozens of scientists who will be collecting water samples at your local beach this summer, looking for a type of bacteria called Enterococcus. Valentine and others said the bacteria itself doesn't make you sick, but it's a cheap way to test in salt water for other things that could.

SCHOOL CLOSINGS View all

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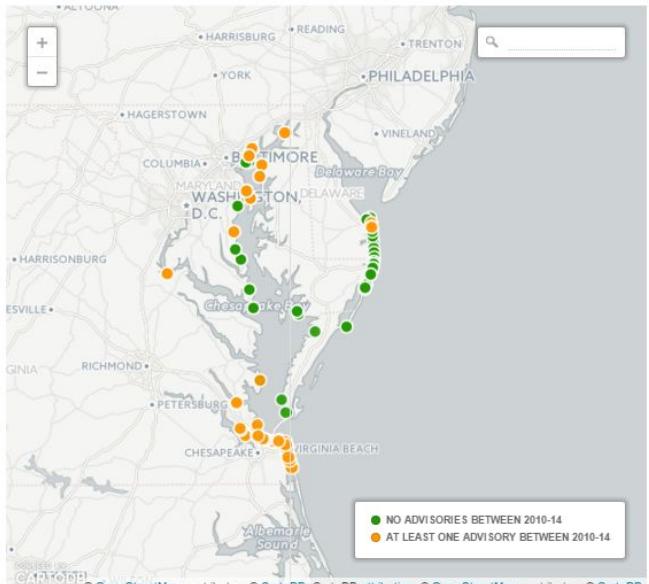
WEATHER FORECAST

NO ADVISORIES BETWEEN 2010-14 **AT LEAST ONE ADVISORY BETWEEN 2010-14**

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Map created by Nelson Hsu

To get you ready for summer, the News 4 I-Team created a map of all the federally monitored beaches throughout Virginia, Maryland and Delaware.



What do we mean by “automate”?

Simple: Keep list of your SQL queries so you can re-run them

Better: Learn a scripting language (such as Python) and write scripts to do much of the heavy lifting - importing, cleaning, analysis and even some visualization.

Data visualizations

Develop a style guide and/or templates ([Sunlight Data Viz style guide](#))

Avoid being fancy for the sake of being fancy

Decide what your “mission” is

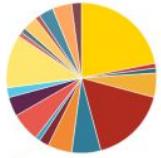
Avoid trying to do/show too much

Be kind to color-blind readers

Not everything can be visualized!

Too much? (Yes.)

Sex Assault



GOMOR or Letter of Rep.

Dishonorable Discharge

Other Type of Discharge

General Discharge

Other Than Honorable

Administrative Separation

Removal from AGR prog.

Bad Conduct Discharge

Discharge for Misconduct

Forced Resignation

Resignation in Lieu of O...

Forced Retirement

Other Actions

Federal Discharge in Lie...

Federal Conviction for L...

Incarceration/Confinement

Separation for Conduct

Article 15

Reduction in Rank

Bar Reenlistment

UCMJ; only allows them to court martial a service member for crimes like "conduct unbecoming" and specifically bars them from using a court martial to investigate rape, murder and other serious crimes.

Just 15 out of the 40 states said they have a specific sex assault statute in their state code.

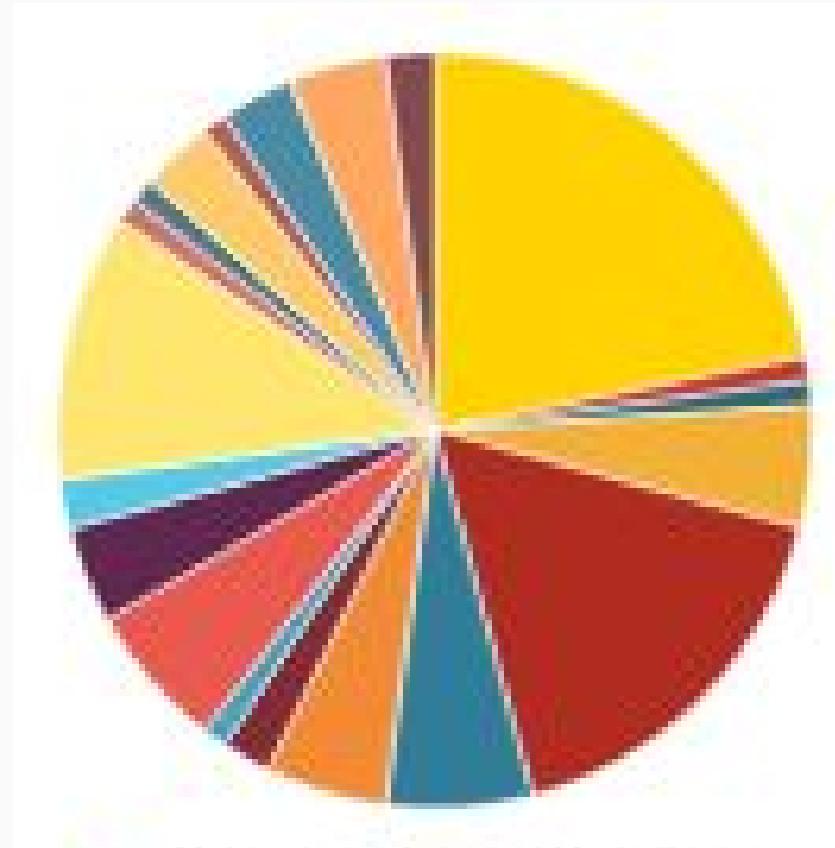
The vast majority of states, 35 out of 40, told us they must rely on civilian law enforcement to conduct a criminal investigation and their civilian court system to try the case.

As a result, 25 of the responding units say they rely on other types of discharge, mainly "Less than Honorable" or "General." A handful of states told us they've used "Bad Conduct" or "Discharge for Misconduct" as well as removing a service member from Federal Recognition or the "Active, Guard Reserve" or AGR Program.

More than two-thirds of the responding states told us they issued "letters of reprimand" for sexual assault. Other types of administrative punishment included reduction in rank, barring re-enlistment, Article 15 investigations and "separation for conduct alleged."

Throughout our reporting, rape survivors told us their alleged attacker was "forced to retire" or "forced to resign." In our survey, six states said

The National Guards in each



Too much?

(Yes.)

What gets taxed?

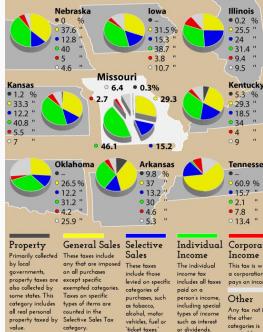
States generate tax revenue in several ways: Most people are familiar with the personal income tax, but states tax corporate income and property, as well as relying on a state sales tax. As Missouri considers whether to eliminate the income tax - whether only for individuals or for businesses, too - see how Missouri and its neighbors collect their taxes.

One way to look at taxes is to examine what proportion each type of tax makes up of the entire amount that a state collects. Of Missouri and its border states, the largest proportion in each state came from individual income taxes except Arkansas and Tennessee in 2009.

State by state

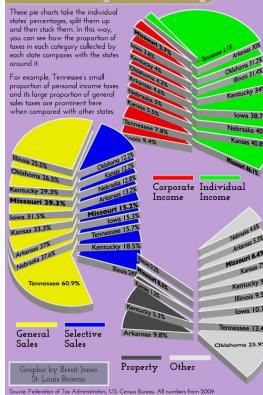
Missouri and its border states all collect taxes on personal and corporate income and each levies sales taxes and excise taxes. Most also collect property taxes.

Of the total taxes collected by each state, each type of tax makes up different proportions of the state's total tax income. For example, the individual income tax made up 46.1% of all state taxes collected in Missouri in 2009.



How they stack up

These pie charts take the individual state percentages, split them up and then stack them. In this way, you can see how the proportion of taxes in each category collected by each state compares with the states around it.



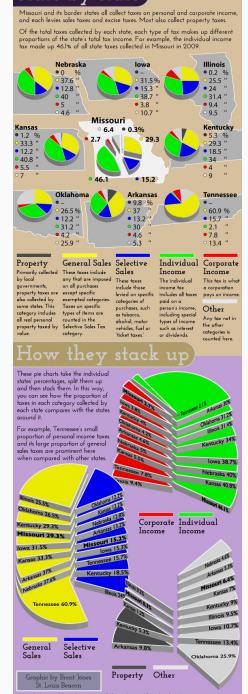
Too much? (Yes.)

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States generate tax revenue in several ways: Most people are familiar with the personal income tax, but states tax corporate income and property, as well as relying on a state sales tax. As Missouri considers whether to eliminate the income tax – whether only for individuals or for businesses, too – see how Missouri and its neighbors collect their taxes.

One way to look at taxes is to examine what proportion each type of tax makes up of the entire amount that a state collects. Of Missouri and its border states, the largest proportion in each state came from individual income taxes except Arkansas and Tennessee in 2009.

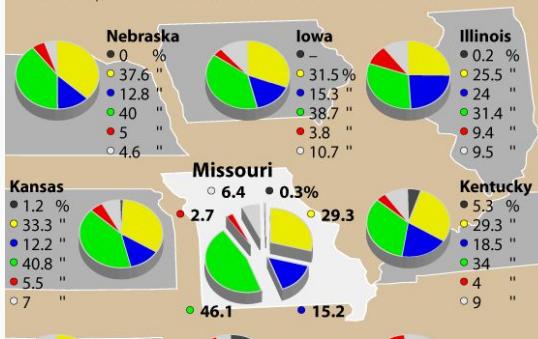
State by state



State by state

Missouri and its border states all collect taxes on personal and corporate income, and each levies sales taxes and excise taxes. Most also collect property taxes.

Of the total taxes collected by each state, each type of tax makes up different proportions of the state's total tax income. For example, the individual income tax made up 46.1% of all state taxes collected in Missouri in 2009.



Oklahoma

- 26.5%
- 12.2 "
- 31.2 "
- 4.2 "
- 25.9 "

Arkansas

- 9.8 %
- 37 "
- 13.2 "
- 30 "
- 4.6 "
- 5.3 "

Tennessee

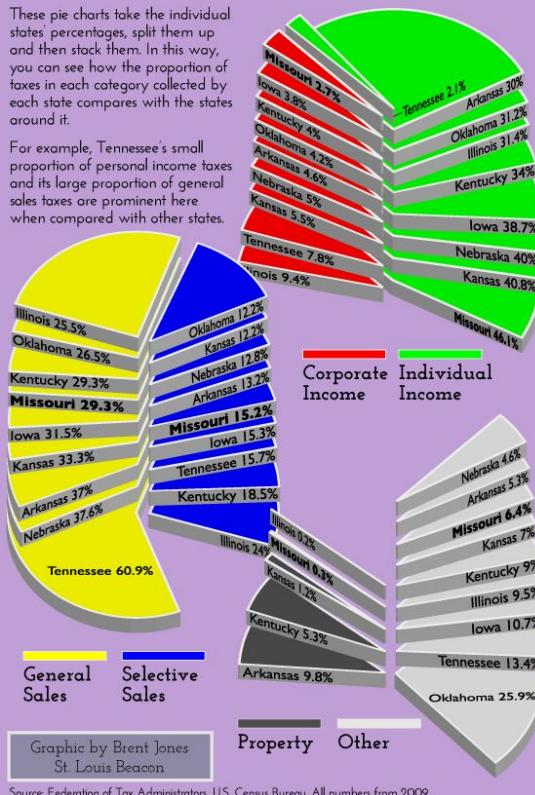
- 60.9 %
- 15.7 "
- 2.1 "
- 7.8 "
- 13.4 "

Property	General Sales	Selective Sales	Individual Income	Corporate Income	Other
Primarily collected by local governments, property taxes are also collected by some states. This category includes all real personal property taxed by value.	These taxes include any that are imposed on all purchases except specific exempted categories. Taxes on specific types of items are counted in the Selective Sales Tax category.	These taxes include those levied on specific categories of purchases, such as tobacco, alcohol, motor vehicles, fuel or 'ticket taxes.'	The individual income tax includes all taxes paid on a person's income, including special types of income such as interest or dividends.	This tax is what a corporation pays on income	Any tax not in the other categories is counted here.

How they stack up

These pie charts take the individual states' percentages, split them up and then stack them. In this way, you can see how the proportion of taxes in each category collected by each state compares with the state around it.

For example, Tennessee's small proportion of personal income tax and its large proportion of general sales taxes are prominent here when compared with other states.



Source: Federation of Tax Administrators, U.S. Census Bureau. All numbers from 2009.

Strengthen your statistics/numeracy chops

Margins of error are important! (polls, census, etc)

Learn some basic statistical concepts (IRE tipsheets, “Statistics for people who think they hate statistics”, online courses)

Census data - Learn how to check statistical significance. [Great tool here.](#)

Read the book: [Numbers in the newsroom](#), by Sarah Cohen

Other things rookies need to know

Be willing to kill stuff! Speak up when something is wrong

Think carefully about what you put online

If you don't have somebody around to help you, find someone/train someone

Other resources

A survival guide for data visualization

Quartz Bad Data Guide

ProPublica's guide to bulletproofing your work

Sarah Cohen's bulletproofing data guide

Statistics for the newsroom (tipsheet by Jennifer LaFleur & David Donald)

This slide deck: <http://tinyurl.com/DataRookies>

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