

Data Journalism Process

A Walkthrough a story production process

What is Data Journalism?


Any explainer or investigative story that is largely driven by data.

It concerns the practice of journalism with regard to the **harness of data** to produce the story.

It concerns primarily the **synthesis between data and traditional reporting**.

Spend 10 mins reading this story

<https://khmer.voanews.com/a/cambodia-s-fish-catch-numbers-don-t-add-up-for-fishers/6354788.html>



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VOA

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Cambodia's Fish Catch Numbers Don't Add Up for Fishers

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Sokummono Khan VOA Khmer

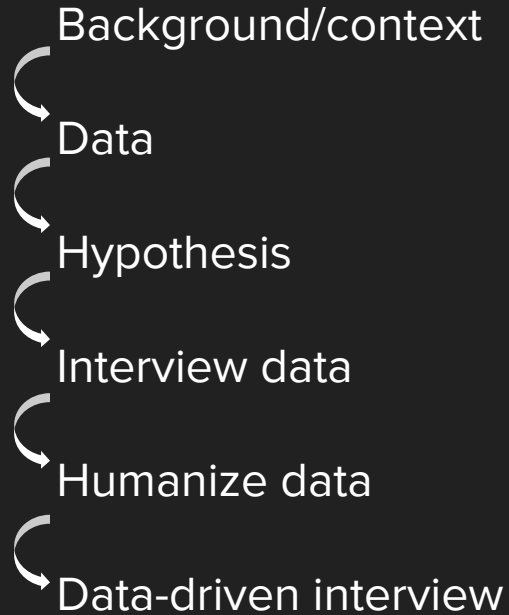
Pheav Soriya, 52, is a fish dealer in Bak Prea and a mother of five. She said of her Bak Prea village that "here in this place, I tell you frankly, our hope lies in water," in Battambang province, on September 26, 2021. (Khan Sokummono/VOA Khmer) Photo: VOA



Here are common angles of data stories:

- **Scale:** Tells how big a problem is
- **Change:** Things that are going up, going down, aren't happening
- **Ranking and outliers:** Who's the best? The worst? Unusual?
- **Variation:** Is distribution equal? "Postcode lottery," heatmaps
- **Explore:** Tools and interactivity (ex: Take this quiz)
- **Relationships:** Correlation, causation, network analysis
- **Problem and solutions:** Bad data, no data, "get" the data

How is a data story produced?



Introduction to Masterfile

The screenshot shows a Google Sheets spreadsheet titled "Myanmar Power Play". The spreadsheet is organized into columns labeled A, B, C, and D. The rows are numbered 1 through 19. The table content is as follows:

1	Topic	Subtopic		
2	China's economic relationship with Myanmar	Trade balance, inequality, trends in BRI		
3	Case Studies: Data Journalism Examples (Global)	Article	Link	Notes (relevance to your topic)
4	Look for other data journalists who have covered the same topic you are interested in another country	The five main projects of the Belt and Road Initiative: — A visual explainer —	https://multimedia.scmp.com/news/china/article/One-Belt-One-Road/index.html	
5		Special Report: Myanmar Old Gaurd Clings to \$8 billion jade empire	https://www.reuters.com/article/us-myanmar-jade-specialreport-idUSBRE98S00H20131001	
6				
7				
8	Case Studies: Data Journalism Examples (Global)	Conclusion		
9		Really good explainer piece on the economic forces at work under BRI. The visualizations and interactivity break up the dense concepts.		
10		I want to borrow the use of scrollytelling to transition between text, visualizations and images		
11		Almost half of all the jade sales are unofficial and illegally shipped to China. The numbers reported by the Myanmar and Chinese government often aren't accurate. The inequitable distribution of wealth from jade fuels conflicts in the region between local ethnic armed organizations and the Myanmar military		
12		Subtitles make it easier to understand the main message of each section		
13		The personal narrative brings the reader back from the data to the human impact		
14	Case Studies: Topical Examples (Local)	Article	Link	Notes (relevance to your topic)
15	Look for local media coverage of your topic so you know what conversation people are having and what information they need and want.			
16		Transparency Concerns Raised About 7 Dams in Southern Myanmar	https://www.irrawaddy.com/news/transparency-concerns-raised-7-dam-projects-southern-myanmar.html	
17		Protests continue over Myitsone Dam	https://www.mizzima.com/article/protests-continue-over-myitsone-dam	
18		PaungLaung Dam Violates Norms and Destroys Lives, Study Finds	https://www.irrawaddy.com/news/burma/paunglaung-dam-violates-norms-and-destroys-lives-study-finds.html	
19			https://thediplomat.com/2017/11/china-fa	

Data sets in tutorials



Data sets in the wild



Introduction to Masterfile

- Data journalism can get messy.
- The Masterfile is a Google Doc or sheet that will help you keep your investigation organized, transparent and reproducible.
- The Masterfile is your ticket to writing a successful data-driven story.
- The Masterfile helps keep your investigation focused on producing a “data-driven” not a “data decorated” story.
- The Masterfile enables collaboration, transparency and reproducibility, which are essential for data journalism.
- The Masterfile can be difficult to use the first time, but in the long-run, it enables you to produce quality data stories on deadline.

Components of Masterfile

Background ▾

Hypothesis and Questions ▾

Analysis ▾

Interviews ▾

Story Structure ▾

Visualization ▾

- Background
- Hypothesis and Questions
- Analysis
- Interviews
- Story Structure
- Visualization

Walk through a Masterfile

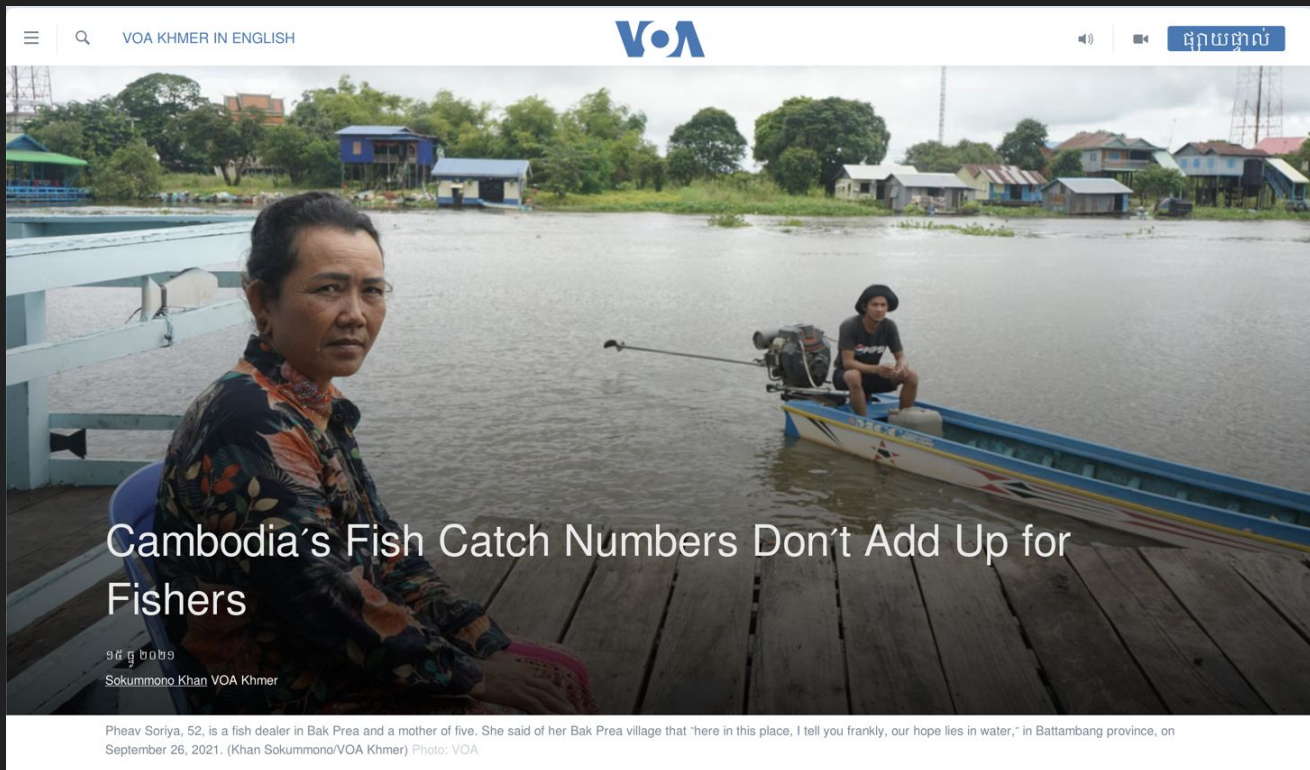


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Additional data analysis by Phandeeayar

Photos by: Hkun Lat, Nyein Su Wai Kyaw Soe, Steve Tickner, Theint Mon Soe and Victoria Milko

Masterfile: https://docs.google.com/spreadsheets/d/1CutZxzORPorUBnKXDI2fZ7FV_KOJvSLAUgktOkhi2TA/edit?usp=sharing

Get back to this story



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Cambodia's Fish Catch Numbers Don't Add Up for Fishers

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Pheav Soriya, 52, is a fish dealer in Bak Prea and a mother of five. She said of her Bak Prea village that "here in this place, I tell you frankly, our hope lies in water," in Battambang province, on September 26, 2021. (Khan Sokummono/VOA Khmer) Photo: VOA

Background

Topic: Cambodia fishery resources

Subtopic: Inland fishery decline

Data journalism examples:

- [Troubled waters: Why Pasir Gudang rivers are dying](#)
- [Drowning in plastic: Visualising the world's addiction to plastic bottles](#)
- [Born to fly: The life, journey, and trials of a migratory bird](#)

Background

Local media coverages:

- [Cambodian farmers can no longer rely on the Tonle Sap lake](#)
- [Cambodia's dwindling fish stocks put spotlight on changing rivers](#)
- [A River Drained: Fish, Rice, and Food Security in the Mekong](#)
- [Cambodia's biggest lake is running dry, taking forests and fish with it \(2020\)](#)

Background

Researches/ reports:

- [Conserving Mekong Megafishes: Current Status and Critical Threats in Cambodia](#)
- [Imperiled Giant Fish Mainstream Dams Lower Mekong Basin Status Threats Mitigation](#)
- [Have fish catches been declining in the mekong river basin?](#)

Background

Data:

- National Institute of Statistics:
 - Cambodia Socio-Economic Survey
 - Cambodia Inter-Censal Agriculture Survey 2019
- Food and Agriculture Organization:
 - Fish catches
 - Aquaculture production
- Fishery administration
 - Fish catches

Hypothesis

“ Despite fish catch has been reported as increasing, fishermen are increasingly abandoning fishing activities for better job or aquaculture due to lower fish catch yields.”

Hypothesis

Questions to prove the hypothesis:

- How is the trend of fish catch between 2000-2019?
- How is the trend of the share of household with fishing activities between 2009 and 2019?
- How is the trend of aquaculture production between 2000-2020?
- How many families in Cambodia have adopted aquaculture in 2019?

Lab: answering the questions

Dataset

- [FAO global capture production \(1950-2019\)](#)
- [Cambodia socio-economic survey \(2009-2020\)](#)
- [Cambodia inter-censal agricultural survey 2019](#)
- [Cambodia aquaculture production \(2000-2020\)](#)

Dataset

Household with fishing activities

	A	B	C	D	E	F	G	H	I
1	Number of household	total population	Cambodia	Phnom Penh	Plain zone	Tonle Sap zone	Coastal zone	Plateau/Mountain zone	year
2	Households with fishing activities		1,649.000	3.000	709.000	539.000	131.000	267.000	2,009
3	All households		2,939.000	261.000	1,198.000	89.000	215.000	376.000	2,009
4	Percentage		56.1	1.2	59.1	60.7	60.9	72	2009
5	Households with fishing activities		1,680.000	2.000	739.000	532.000	142.000	265.000	2,010
6	All households		2,917.000	276.000	1,162.000	888.000	213.000	379.000	2,010
7	Percentage		57.6	0.6	63.6	60	66.7	70.1	2010
8	Households with fishing activities		1,695.000	12.000	677.000	611.000	133.000	361.000	2,012
9	All households		3,082.000	329.000	1,183.000	949.000	226.000	395.000	2,012
10	Percentage		55	4	57	64	59	66	2012
11	Households with fishing activities		1,623.000	6.000	691.000	550.000	113.000	263.000	2,013
12	All households		3,162.000	363.000	1,237.000	939.000	223.000	401.000	2,013
13	Percentage		51	2	56	59	51	66	2013
14	Households with fishing activities	15,184.000	1,371.000	5.000	510.000	509.000	109.000	238.000	2,014
15	All households	15,184.000	3,261.000	369.000	1,223.000	998.000	234.000	437.000	2,014
16	Percentage	15,184	42	1.3	41.7	51	46.5	54.5	2014
17	Households with fishing activities	15,405.000	1,492.000	2.000	577.000	554.000	104.000	256.000	2,015
18	All households	15,405.000	3,307.000	388.000	1,243.000	1,033.000	198.000	444.000	2,015
19	Percentage	15,405	45.1	0.5	46.4	53.6	52.6	57.6	2015
20	Households with fishing activities	15,626.000	1,447.000	3.000	538.000	493.000	126.000	287.000	2,016
21	All households	15,626.000	3,390.000	385.000	1,317.000	999.000	238.000	451.000	2,016
22	Percentage	15,626	42.7	0.8	40.8	49.4	53.1	63.6	2016
23	Households with fishing activities	15,848.000	1,352.000	3.000	568.000	447.000	113.000	221.000	2,017
24	All households	15,848.000	3,438.000	377.000	1,336.000	1,026.000	241.000	457.000	2,017
25	Percentage	15,848	39.3	0.9	42.5	43.5	46.8	48.2	2017
26	Households with fishing activities	15,954.000	1,271.000	5.000	440.000	465.000	87.000	274.000	2019-2020
27	All households	15,954.000	3,634.000	531.000	1,282.000	1,050.000	230.000	541.000	2019-2020
28	Percentage	15,954	35	0.9	34.3	44.3	37.7	50.7	2019-2020

Dataset

Household with aquaculture activities

	A	B	C	D	E	F	G	H	I
1	Zone	Province/ Zone	Aquaculture_ Number of holdings reporting aquaculture activity	Aquaculture_ Pond_ Number of holdings	Aquaculture_ Pen_ Number of holdings	Aquaculture_ Cage_ Number of holdings	Aquaculture_ Paddy_ Field_ Number of holdings	Aquaculture_ Culvert/tank/d rum/aquarium_ Number of holdings	Aquaculture_ Other_ Num ber of holdings
2	Plain Zone	Plain Zone	33	31 *		1 *		*	*
3	Plain Zone	Kampong Cham	1	1 *		*	*	*	*
4	Plain Zone	Kandal	1	1 *		*	*	*	*
5	Plain Zone	Phnom Penh	*	*		*	*	*	*
6	Plain Zone	Prey Veng	13	12 *		*	*	*	*
7	Plain Zone	Svay Rieng	14	14 *		*	*	*	*
8	Plain Zone	Takeo	2	2 *		*	*	*	*
9	Plain Zone	Tboung Khmum	2	1 *		1 *	*	*	*
10	Tonle Sap Lake Zone	Tonle Sap Lake Zone	15	7 *		6 *		1 *	
11	Tonle Sap Lake Zone	Banteay Meanchey	*	*		*	*	*	*
12	Tonle Sap Lake Zone	Battambang	1	1 *		*	*	*	*
13	Tonle Sap Lake Zone	Kampong Chhnang	2	1 *		1 *	*	*	*
14	Tonle Sap Lake Zone	Kampong Thom	3	1 *		2 *	*	*	*
15	Tonle Sap Lake Zone	Pursat	3	2 *		1 *	*	*	*
16	Tonle Sap Lake Zone	Siemreap	5	1 *		2 *		1 *	
17	Tonle Sap Lake Zone	Oddar Meanchey	1	1 *		*	*	*	*
18	Tonle Sap Lake Zone	Pailin	*	*		*	*	*	*
19	Plateau and Mountainous Zone	Plateau and Mountainous Zone	1	1 *		*	*	*	*
20	Plateau and Mountainous Zone	Kampong Speu	*	*		*	*	*	*
21	Plateau and Mountainous Zone	Kratie	*	*		*	*	*	*
22	Plateau and Mountainous Zone	Mondul Kiri	*	*		*	*	*	*
23	Plateau and Mountainous Zone	Preah Vihear	*	*		*	*	*	*
24	Plateau and Mountainous Zone	Ratanak Kiri	*	*		*	*	*	*
25	Plateau and Mountainous Zone	Stung Treng	*	*		*	*	*	*
26	Total		49	39		7			

Dataset

Cambodia aquaculture production

A1													
fx Country (Name)													
	A	B	C	D	E	F	G	H	I	J	K	L	
1	Country (Name)	ASFIS species (Name)	FAO major fishing ar	FAO major fishin	FAO major fishing area	Detailed product Unit (Name)		[1950]	[1951]	[1952]	[1953]	[1954]	
2	Afghanistan	Cyprinids nei	Asia - Inland waters	4		4 Aquaculture prox Tonnes - live weight		0	0	0	0	0	
3	Afghanistan	Freshwater fishes nei	Asia - Inland waters	4		4 Capture product Tonnes - live weight		100	100	100	100	100	
4	Afghanistan	Rainbow trout	Asia - Inland waters	4		4 Aquaculture prox Tonnes - live weight		0	0	0	0	0	
5	Albania	Angelsharks, sand devils nei	Mediterranean and E	13		37 Capture product Tonnes - live weight		0	0	0	0	0	
6	Albania	Atlantic bluefin tuna	Mediterranean and E	13		37 Capture product Tonnes - live weight		0	0	0	0	0	
7	Albania	Atlantic bonito	Mediterranean and E	13		37 Capture product Tonnes - live weight		0	0	0	0	0	
8	Albania	Barracudas nei	Mediterranean and E	13		37 Capture product Tonnes - live weight		0	0	0	0	0	
9	Albania	Bighead carp	Europe - Inland wate	5		5 Aquaculture prox Tonnes - live weight		0	0	0	0	0	
10	Albania	Bighead carp	Europe - Inland wate	5		5 Capture product Tonnes - live weight		0	0	0	0	0	
11	Albania	Bleak	Europe - Inland wate	5		5 Capture product Tonnes - live weight		0	0	0	0	0	
12	Albania	Blue and red shrimp	Mediterranean and E	13		37 Capture product Tonnes - live weight		0	0	0	0	0	
13	Albania	Blue whiting(=Poutassou)	Mediterranean and E	13		37 Capture product Tonnes - live weight		0	0	0	0	0	
14	Albania	Bluefish	Mediterranean and E	13		37 Capture product Tonnes - live weight		0	0	0	0	0	
15	Albania	Bogue	Mediterranean and E	13		37 Capture product Tonnes - live weight		0	0	0	0	0	
16	Albania	Caramote prawn	Mediterranean and E	13		37 Capture product Tonnes - live weight		0	0	0	0	0	
17	Albania	Catsharks, nursehounds nei	Mediterranean and E	13		37 Capture product Tonnes - live weight		0	0	0	0	0	
18	Albania	Common carp	Europe - Inland wate	5		5 Aquaculture prox Tonnes - live weight		0	0	0	0	0	
19	Albania	Common carp	Europe - Inland wate	5		5 Capture product Tonnes - live weight		0	0	0	0	0	
20	Albania	Common cuttlefish	Mediterranean and E	13		37 Capture product Tonnes - live weight		0	0	0	0	0	
21	Albania	Common dace	Europe - Inland wate	5		5 Capture product Tonnes - live weight		0	0	0	0	0	
22	Albania	Common dentex	Mediterranean and E	13		37 Capture product Tonnes - live weight		0	0	0	0	0	
23	Albania	Common octopus	Mediterranean and E	13		37 Capture product Tonnes - live weight		0	0	0	0	0	
24	Albania	Common sole	Mediterranean and E	13		37 Capture product Tonnes - live weight		0	0	0	0	0	
25	Albania	Common spiny lobster	Mediterranean and E	13		37 Capture product Tonnes - live weight		0	0	0	0	0	
26	Albania	Common squids nei	Mediterranean and E	13		37 Capture product Tonnes - live weight		0	0	0	0	0	
27	Albania	Croakers, drums nei	Mediterranean and E	13		37 Capture product Tonnes - live weight		0	0	0	0	0	
28	Albania	Crucian carp	Europe - Inland wate	5		5 Aquaculture prox Tonnes - live weight		0	0	0	0	0	
29	Albania	Crucian carp	Europe - Inland wate	5		5 Capture product Tonnes - live weight		0	0	0	0	0	
30	Albania	Deep-water rose shrimp	Mediterranean and E	13		37 Capture product Tonnes - live weight		0	0	0	0	0	
31	Albania	Deepfish chabot nei	Mediterranean and E	13		37 Capture product Tonnes - live weight		0	0	0	0	0	

Global capture production

Cleaning data

	D	E	F	G	H	I	J	K	L	M	N	O
1	FAO major fishing area (Name)	FAO major fishing area	Unit (Name)	[1950]	S	[1951]	S	[1952]	S	[1953]	S	[1954]
2	Atlantic, Southwest	Marine areas	Tonnes - live weight	0	.	0	.	0	.	0	.	0
3	Pacific, Western Central	Marine areas	Tonnes - live weight	0	.	0	.	0	.	0	.	0
4	Asia - Inland waters	Inland waters	Tonnes - live weight	0	.	0	.	0	.	0	.	0
5	Asia - Inland waters	Inland waters	Tonnes - live weight	16600	.	16600	.	19100	.	19900	.	20700
6	Pacific, Western Central	Marine areas	Tonnes - live weight	0	.	0	.	0	.	0	.	0
7	Pacific, Western Central	Marine areas	Tonnes - live weight	3400	.	3400	.	3900	.	4100	.	4300
8	Pacific, Western Central	Marine areas	Tonnes - live weight	0	.	0	.	0	.	0	.	0
9	Pacific, Western Central	Marine areas	Tonnes - live weight	0	.	0	.	0	.	0	.	0
10	Pacific, Western Central	Marine areas	Tonnes - live weight	0	.	0	.	0	.	0	.	0
11	Asia - Inland waters	Inland waters	Number	0	.	0	.	0	.	0	.	0
12	Atlantic, Southeast	Marine areas	Tonnes - live weight	0	.	0	.	0	.	0	.	0
13	Asia - Inland waters	Inland waters	Tonnes - live weight	0	.	0	.	0	.	0	.	0
14	Asia - Inland waters	Inland waters	Tonnes - live weight	8000	.	8000	.	8000	.	8000	.	10000
15	Asia - Inland waters	Inland waters	Tonnes - live weight	12100	.	12800	.	28000	.	28000	.	56000
16	Indian Ocean, Eastern	Marine areas	Tonnes - live weight	0	.	0	.	0	.	0	.	0
17	Indian Ocean, Eastern	Marine areas	Tonnes - live weight	0	.	0	.	0	.	0	.	0
18	Indian Ocean, Eastern	Marine areas	Tonnes - live weight	31100	.	33000	.	72000	.	72000	.	144000
19	Indian Ocean, Eastern	Marine areas	Tonnes - live weight	0	.	0	.	0	.	0	.	0
20	Indian Ocean, Eastern	Marine areas	Tonnes - live weight	0	.	0	.	0	.	0	.	0
21	Indian Ocean, Eastern	Marine areas	Tonnes - live weight	0	.	0	.	0	.	0	.	0
22	Indian Ocean, Western	Marine areas	Tonnes - live weight	0	.	0	.	0	.	0	.	0
23	Indian Ocean, Eastern	Marine areas	Tonnes - live weight	0	.	0	.	0	.	0	.	0
24	Pacific, Western Central	Marine areas	Tonnes - live weight	0	.	0	.	0	.	0	.	0
25	Indian Ocean, Eastern	Marine areas	Tonnes - live weight	0	.	0	.	0	.	0	.	0
26	Pacific, Western Central	Marine areas	Tonnes - live weight	0	.	0	.	0	.	0	.	0
27	Asia - Inland waters	Inland waters	Tonnes - live weight	0	.	0	.	0	.	0	.	0
28	Indian Ocean, Eastern	Marine areas	Tonnes - live weight	0	.	0	.	0	.	0	.	0
29	Pacific, Western Central	Marine areas	Tonnes - live weight	0	.	0	.	0	.	0	.	0
30	Indian Ocean, Eastern	Marine areas	Tonnes - live weight	0	.	0	.	0	.	0	.	0

Steps:

- Filter for Cambodia
- Remove unwanted columns
- Filter for desired indicator
- Copy and paste transpose

Global capture production

Cleaning data

1. FAO: Global Capture Production_Quantity (1950-2019) ☆ □ ☰

File Edit View Insert Format Data Tools Extensions Help

100% Comment only

	D	E	F	G	H	I	J	K	L	M	N	O
A1	Country (Name)											
1	FAO major fishing area (Name)	FAO major fishing area Unit (Name)	[1950]	S	[1951]	S	[1952]	S	[1953]	S	[1954]	
2	Atlantic, Southwest	Marine areas	Tonnes - live weight	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .
3	Pacific, Western Central	Marine areas	Tonnes - live weight	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .
4	Asia - Inland waters	Inland waters	Tonnes - live weight	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .
5	Asia - Inland waters	Inland waters	Tonnes - live weight	16600		16600		19100		19900		20700
6	Pacific, Western Central	Marine areas	Tonnes - live weight	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .
7	Pacific, Western Central	Marine areas	Tonnes - live weight	3400		3400		3900		4100		4300
8	Pacific, Western Central	Marine areas	Tonnes - live weight	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .
9	Pacific, Western Central	Marine areas	Tonnes - live weight	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .
10	Pacific, Western Central	Marine areas	Tonnes - live weight	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .
11	Asia - Inland waters	Inland waters	Number	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .
12	Atlantic, Southeast	Marine areas	Tonnes - live weight	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .
13	Asia - Inland waters	Inland waters	Tonnes - live weight	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .
14	Asia - Inland waters	Inland waters	Tonnes - live weight	8000		8000		8000		8000		10000
15	Asia - Inland waters	Inland waters	Tonnes - live weight	12100		12800		28000		28000		56000
16	Indian Ocean, Eastern	Marine areas	Tonnes - live weight	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .
17	Indian Ocean, Eastern	Marine areas	Tonnes - live weight	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .
18	Indian Ocean, Eastern	Marine areas	Tonnes - live weight	31100		33000		72000		72000		144000
19	Indian Ocean, Eastern	Marine areas	Tonnes - live weight	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .
20	Indian Ocean, Eastern	Marine areas	Tonnes - live weight	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .
21	Indian Ocean, Eastern	Marine areas	Tonnes - live weight	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .
22	Indian Ocean, Western	Marine areas	Tonnes - live weight	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .
23	Indian Ocean, Eastern	Marine areas	Tonnes - live weight	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .
24	Pacific, Western Central	Marine areas	Tonnes - live weight	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .
25	Indian Ocean, Eastern	Marine areas	Tonnes - live weight	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .
26	Pacific, Western Central	Marine areas	Tonnes - live weight	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .
27	Asia - Inland waters	Inland waters	Tonnes - live weight	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .
28	Indian Ocean, Eastern	Marine areas	Tonnes - live weight	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .
29	Pacific, Western Central	Marine areas	Tonnes - live weight	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .
30	Indian Ocean, Eastern	Marine areas	Tonnes - live weight	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .

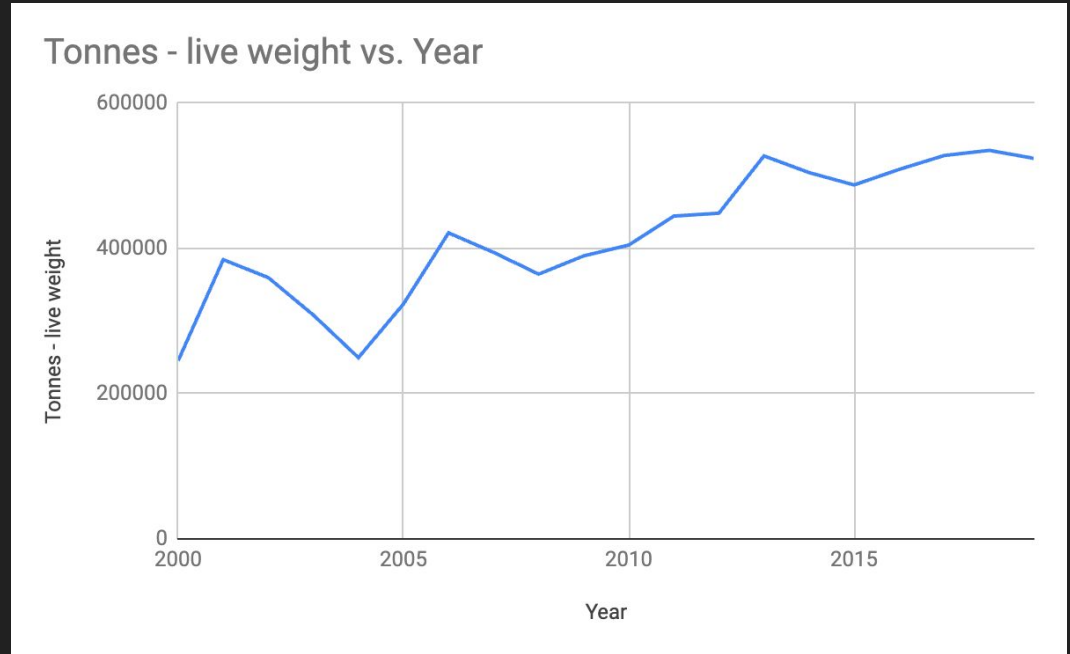


	A	B
1	Year	Tonnes - live weight
52	2000	245300
53	2001	384500
54	2002	359800
55	2003	308250
56	2004	249600
57	2005	323500
58	2006	421400
59	2007	394500
60	2008	364600
61	2009	389700
62	2010	404600
63	2011	444500
64	2012	448500
65	2013	527400
66	2014	504430
67	2015	487400
68	2016	508800
69	2017	527943
70	2018	535005
71	2019	523915
72		

Global capture production

Analyzing data

	A	B
1	Year	Tonnes - live weight
52	2000	245300
53	2001	384500
54	2002	359800
55	2003	308250
56	2004	249600
57	2005	323500
58	2006	421400
59	2007	394500
60	2008	364600
61	2009	389700
62	2010	404600
63	2011	444500
64	2012	448500
65	2013	527400
66	2014	504430
67	2015	487400
68	2016	508800
69	2017	527943
70	2018	535005
71	2019	523915
72		



Household with fishing activities

Cleaning data

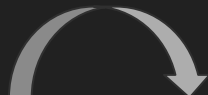
	A	B	C	D	E	F	G	H	I
1	Number of household	total population	Cambodia	Phnom Penh	Plain zone	Tonle Sap zone	Coastal zone	Plateau/Mountain zone	year
2	Households with fishing activities		1,649.000	3.000	709.000	539.000	131.000	267.000	2,009
3	All households		2,939.000	261.000	1,198.000	89.000	215.000	376.000	2,009
4	Percentage		56.1	1.2	59.1	60.7	60.9	72	2009
5	Households with fishing activities		1,680.000	2.000	739.000	532.000	142.000	265.000	2,010
6	All households		2,917.000	276.000	1,162.000	888.000	213.000	379.000	2,010
7	Percentage		57.6	0.6	63.6	60	66.7	70.1	2010
8	Households with fishing activities		1,695.000	12.000	677.000	611.000	133.000	361.000	2,012
9	All households		3,082.000	329.000	1,183.000	949.000	226.000	395.000	2,012
10	Percentage		55	4	57	64	59	66	2012
11	Households with fishing activities		1,623.000	6.000	691.000	550.000	113.000	263.000	2,013
12	All households		3,162.000	363.000	1,237.000	939.000	223.000	401.000	2,013
13	Percentage		51	2	56	59	51	66	2013
14	Households with fishing activities	15,184.000	1,371.000	5.000	510.000	509.000	109.000	238.000	2,014
15	All households	15,184.000	3,261.000	369.000	1,223.000	998.000	234.000	437.000	2,014
16	Percentage	15,184	42	1.3	41.7	51	46.5	54.5	2014
17	Households with fishing activities	15,405.000	1,492.000	2.000	577.000	554.000	104.000	256.000	2,015
18	All households	15,405.000	3,307.000	388.000	1,243.000	1,033.000	198.000	444.000	2,015
19	Percentage	15,405	45.1	0.5	46.4	53.6	52.6	57.6	2015
20	Households with fishing activities	15,626.000	1,447.000	3.000	538.000	493.000	126.000	287.000	2,016
21	All households	15,626.000	3,390.000	385.000	1,317.000	999.000	238.000	451.000	2,016
22	Percentage	15,626	42.7	0.8	40.8	49.4	53.1	63.6	2016
23	Households with fishing activities	15,848.000	1,352.000	3.000	568.000	447.000	113.000	221.000	2,017
24	All households	15,848.000	3,438.000	377.000	1,336.000	1,026.000	241.000	457.000	2,017
25	Percentage	15,848	39.3	0.9	42.5	43.5	46.8	48.2	2017
26	Households with fishing activities	15,954.000	1,271.000	5.000	440.000	465.000	87.000	274.000	2019-2020
27	All households	15,954.000	3,634.000	531.000	1,282.000	1,050.000	230.000	541.000	2019-2020
28	Percentage	15,954	35	0.9	34.3	44.3	37.7	50.7	2019-2020

Steps:

- Extract data value from each report from 2009 to 2020
- Organize it in a single spreadsheet
- Filter for percentage of household with fishing activities

Household with fishing activities

Cleaning data



	A	B	C	D	E	F	G	H	I
1	Number of household	total population	Cambodia	Phnom Penh	Plain zone	Tonle Sap zone	Coastal zone	Plateau/Mountain zone	year
2	Households with fishing activities		1,649.000	3.000	709.000	539.000	131.000	267.000	2,009
3	All households		2,939.000	261.000	1,198.000	89.000	215.000	376.000	2,009
4	Percentage		56.1	1.2	59.1	60.7	60.9	72	2009
5	Households with fishing activities		1,680.000	2.000	739.000	532.000	142.000	265.000	2,010
6	All households		2,917.000	276.000	1,162.000	888.000	213.000	379.000	2,010
7	Percentage		57.6	0.6	63.6	60	66.7	70.1	2010
8	Households with fishing activities		1,695.000	12.000	677.000	611.000	133.000	361.000	2,012
9	All households		3,082.000	329.000	1,183.000	949.000	226.000	395.000	2,012
10	Percentage		55	4	57	64	59	66	2012
11	Households with fishing activities		1,623.000	6.000	691.000	550.000	113.000	263.000	2,013
12	All households		3,162.000	363.000	1,237.000	939.000	223.000	401.000	2,013
13	Percentage		51	2	56	59	51	66	2013
14	Households with fishing activities	15,184.000	1,371.000	5.000	510.000	509.000	109.000	238.000	2,014
15	All households	15,184.000	3,261.000	369.000	1,223.000	998.000	234.000	437.000	2,014
16	Percentage	15,184	42	1.3	41.7	51	46.5	54.5	2014
17	Households with fishing activities	15,405.000	1,492.000	2.000	577.000	554.000	104.000	256.000	2,015
18	All households	15,405.000	3,307.000	388.000	1,243.000	1,033.000	198.000	444.000	2,015
19	Percentage	15,405	45.1	0.5	46.4	53.6	52.6	57.6	2015
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21	All households	15,626.000	3,390.000	385.000	1,317.000	999.000	238.000	451.000	2,016
22	Percentage	15,626	42.7	0.8	40.8	49.4	53.1	63.6	2016
23	Households with fishing activities	15,848.000	1,352.000	3.000	568.000	447.000	113.000	221.000	2,017
24	All households	15,848.000	3,438.000	377.000	1,338.000	1,028.000	241.000	457.000	2,017
25	Percentage	15,848	39.3	0.9	42.5	43.5	46.8	48.2	2017
26	Households with fishing activities	15,954.000	1,271.000	5.000	440.000	465.000	87.000	274.000	2019-2020
27	All households	15,954.000	3,634.000	531.000	1,282.000	1,050.000	230.000	541.000	2019-2020
28	Percentage	15,954	35	0.9	34.3	44.3	37.7	50.7	2019-2020

	A	B	C	D	E	F	G	H
1	Number of household	year	Cambodia	Phnom Penh	Plain zone	Tonle Sap zone	Coastal zone	Plateau/Mountain zone
4	Percentage	2009	56.1	1.2	59.1	60.7	60.9	72
7	Percentage	2010	57.6	0.6	63.6	60	66.7	70.1
10	Percentage	2012	55	4	57	64	59	66
13	Percentage	2013	51	2	56	59	51	66
16	Percentage	2014	42	1.3	41.7	51	46.5	54.5
19	Percentage	2015	45.1	0.5	46.4	53.6	52.6	57.6
22	Percentage	2016	42.7	0.8	40.8	49.4	53.1	63.6
25	Percentage	2017	39.3	0.9	42.5	43.5	46.8	48.2
28	Percentage	2019-2020	35	0.9	34.3	44.3	37.7	50.7

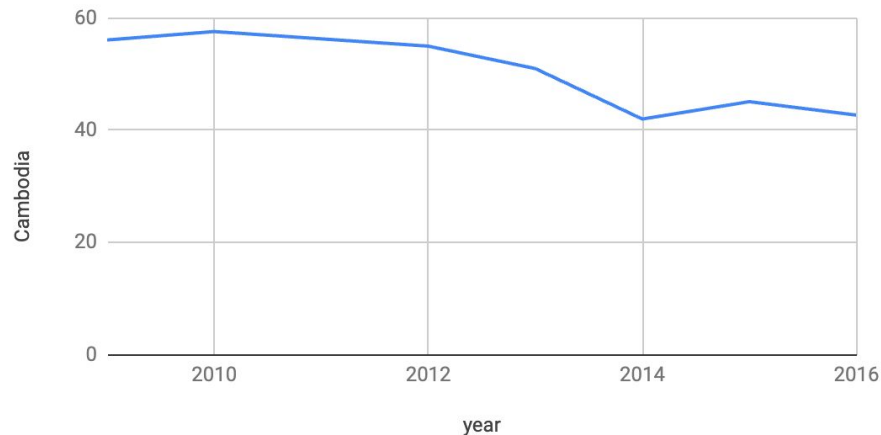
Household with fishing activities

Analyzing data



	A	B	C	D	E	F	G	H
1	Number of household	year	Cambodia	Phnom Penh	Plain zone	Tonle Sap zone	Coastal zone	Plateau/hill
4	Percentage	2009	56.1	1.2	59.1	60.7	60.9	72
7	Percentage	2010	57.6	0.6	63.6	60	66.7	70.1
10	Percentage	2012	55	4	57	64	59	66
13	Percentage	2013	51	2	56	59	51	66
16	Percentage	2014	42	1.3	41.7	51	46.5	54.5
19	Percentage	2015	45.1	0.5	46.4	53.6	52.6	57.6
22	Percentage	2016	42.7	0.8	40.8	49.4	53.1	63.6
25	Percentage	2017	39.3	0.9	42.5	43.5	46.8	48.2
28	Percentage	2019-2020	35	0.9	34.3	44.3	37.7	50.7

Cambodia vs. year



Cambodia aquaculture production

Cleaning data

A1	Country (Name)											
	A	B	C	D	E	F	G	H	I	J	K	L
	Country (Name)	ASFIS species (Name)	FAO major fishing ar	FAO major fishin	FAO major fishing area	Detailed product Unit (Name)		[1950]	[1951]	[1952]	[1953]	[1954]
1												
2	Afghanistan	Cyprinids nei	Asia - Inland waters	4	4	Aquaculture pro: Tonnes - live weight		0	0	0	0	0
3	Afghanistan	Freshwater fishes nei	Asia - Inland waters	4	4	Capture product: Tonnes - live weight		100	100	100	100	100
4	Afghanistan	Rainbow trout	Asia - Inland waters	4	4	Aquaculture pro: Tonnes - live weight		0	0	0	0	0
5	Albania	Angels sharks, sand devils nei	Mediterranean and E	13	37	Capture product: Tonnes - live weight		0	0	0	0	0
6	Albania	Atlantic bluefin tuna	Mediterranean and E	13	37	Capture product: Tonnes - live weight		0	0	0	0	0
7	Albania	Atlantic bonito	Mediterranean and E	13	37	Capture product: Tonnes - live weight		0	0	0	0	0
8	Albania	Barracudas nei	Mediterranean and E	13	37	Capture product: Tonnes - live weight		0	0	0	0	0
9	Albania	Bighead carp	Europe - Inland wate	5	5	Aquaculture pro: Tonnes - live weight		0	0	0	0	0
10	Albania	Bighead carp	Europe - Inland wate	5	5	Capture product: Tonnes - live weight		0	0	0	0	0
11	Albania	Bleak	Europe - Inland wate	5	5	Capture product: Tonnes - live weight		0	0	0	0	0
12	Albania	Blue and red shrimp	Mediterranean and E	13	37	Capture product: Tonnes - live weight		0	0	0	0	0
13	Albania	Blue whiting(=Poutassou)	Mediterranean and E	13	37	Capture product: Tonnes - live weight		0	0	0	0	0
14	Albania	Bluefish	Mediterranean and E	13	37	Capture product: Tonnes - live weight		0	0	0	0	0
15	Albania	Bogue	Mediterranean and E	13	37	Capture product: Tonnes - live weight		0	0	0	0	0
16	Albania	Caramote prawn	Mediterranean and E	13	37	Capture product: Tonnes - live weight		0	0	0	0	0
17	Albania	Catsharks, nursehounds nei	Mediterranean and E	13	37	Capture product: Tonnes - live weight		0	0	0	0	0
18	Albania	Common carp	Europe - Inland wate	5	5	Aquaculture pro: Tonnes - live weight		0	0	0	0	0
19	Albania	Common carp	Europe - Inland wate	5	5	Capture product: Tonnes - live weight		0	0	0	0	0
20	Albania	Common cuttlefish	Mediterranean and E	13	37	Capture product: Tonnes - live weight		0	0	0	0	0
21	Albania	Common dace	Europe - Inland wate	5	5	Capture product: Tonnes - live weight		0	0	0	0	0
22	Albania	Common dentex	Mediterranean and E	13	37	Capture product: Tonnes - live weight		0	0	0	0	0
23	Albania	Common octopus	Mediterranean and E	13	37	Capture product: Tonnes - live weight		0	0	0	0	0
24	Albania	Common sole	Mediterranean and E	13	37	Capture product: Tonnes - live weight		0	0	0	0	0
25	Albania	Common spiny lobster	Mediterranean and E	13	37	Capture product: Tonnes - live weight		0	0	0	0	0
26	Albania	Common squids nei	Mediterranean and E	13	37	Capture product: Tonnes - live weight		0	0	0	0	0
27	Albania	Croakers, drums nei	Mediterranean and E	13	37	Capture product: Tonnes - live weight		0	0	0	0	0
28	Albania	Crucian carp	Europe - Inland wate	5	5	Aquaculture pro: Tonnes - live weight		0	0	0	0	0
29	Albania	Crucian carp	Europe - Inland wate	5	5	Capture product: Tonnes - live weight		0	0	0	0	0
30	Albania	Deep-water rose shrimp	Mediterranean and E	13	37	Capture product: Tonnes - live weight		0	0	0	0	0
31	Albania	Deepfish chafes nei	Mediterranean and E	13	37	Capture product: Tonnes - live weight		0	0	0	0	0

Steps:

- Filter for Cambodia
- Filter aquaculture production (freshwater fish)
- Sum of all value for each year
- Copy and paste transpose

Cambodia aquaculture production

Cleaning data

Country (Name)													
A	B	C	D	E	F	G	H	I	J	K	L		
Country (Name)	ASFIS species (Name)	FAO major fishing ar	FAO major fishin	FAO major fishing area	Detailed product	Unit (Name)	[1950]	[1951]	[1952]	[1953]	[1954]		
2	Afghanistan	Cyprinids nei	Asia - Inland waters	4	4	Aquaculture pro	Tonnes - live weight	0	0	0	0	0	0
3	Afghanistan	Freshwater fishes nei	Asia - Inland waters	4	4	Capture product	Tonnes - live weight	100	100	100	100	100	100
4	Afghanistan	Rainbow trout	Asia - Inland waters	4	4	Aquaculture pro	Tonnes - live weight	0	0	0	0	0	0
5	Albania	Angelaharks, sand devils nei	Mediterranean and E	13	37	Capture product	Tonnes - live weight	0	0	0	0	0	0
6	Albania	Atlantic bluefin tuna	Mediterranean and E	13	37	Capture product	Tonnes - live weight	0	0	0	0	0	0
7	Albania	Atlantic bonito	Mediterranean and E	13	37	Capture product	Tonnes - live weight	0	0	0	0	0	0
8	Albania	Barracudas nei	Mediterranean and E	13	37	Capture product	Tonnes - live weight	0	0	0	0	0	0
9	Albania	Bighhead carp	Europe - Inland water	5	5	Aquaculture pro	Tonnes - live weight	0	0	0	0	0	0
10	Albania	Bighhead carp	Europe - Inland water	5	5	Capture product	Tonnes - live weight	0	0	0	0	0	0
11	Albania	Bleak	Europe - Inland water	5	5	Capture product	Tonnes - live weight	0	0	0	0	0	0
12	Albania	Blue and red shrimp	Mediterranean and E	13	37	Capture product	Tonnes - live weight	0	0	0	0	0	0
13	Albania	Blue whiting(=Poutassou)	Mediterranean and E	13	37	Capture product	Tonnes - live weight	0	0	0	0	0	0
14	Albania	Bluefish	Mediterranean and E	13	37	Capture product	Tonnes - live weight	0	0	0	0	0	0
15	Albania	Bogue	Mediterranean and E	13	37	Capture product	Tonnes - live weight	0	0	0	0	0	0
16	Albania	Caramote prawn	Mediterranean and E	13	37	Capture product	Tonnes - live weight	0	0	0	0	0	0
17	Albania	Catsharks, nursehounds nei	Mediterranean and E	13	37	Capture product	Tonnes - live weight	0	0	0	0	0	0
18	Albania	Common carp	Europe - Inland water	5	5	Aquaculture pro	Tonnes - live weight	0	0	0	0	0	0
19	Albania	Common carp	Europe - Inland water	5	5	Capture product	Tonnes - live weight	0	0	0	0	0	0
20	Albania	Common cuttlefish	Mediterranean and E	13	37	Capture product	Tonnes - live weight	0	0	0	0	0	0
21	Albania	Common dace	Europe - Inland water	5	5	Capture product	Tonnes - live weight	0	0	0	0	0	0
22	Albania	Common dentex	Mediterranean and E	13	37	Capture product	Tonnes - live weight	0	0	0	0	0	0
23	Albania	Common octopus	Mediterranean and E	13	37	Capture product	Tonnes - live weight	0	0	0	0	0	0
24	Albania	Common sole	Mediterranean and E	13	37	Capture product	Tonnes - live weight	0	0	0	0	0	0
25	Albania	Common spiny lobster	Mediterranean and E	13	37	Capture product	Tonnes - live weight	0	0	0	0	0	0
26	Albania	Common squids nei	Mediterranean and E	13	37	Capture product	Tonnes - live weight	0	0	0	0	0	0
27	Albania	Croakers, drums nei	Mediterranean and E	13	37	Capture product	Tonnes - live weight	0	0	0	0	0	0
28	Albania	Crucian carp	Europe - Inland water	5	5	Aquaculture pro	Tonnes - live weight	0	0	0	0	0	0
29	Albania	Crucian carp	Europe - Inland water	5	5	Capture product	Tonnes - live weight	0	0	0	0	0	0
30	Albania	Deep-water rose shrimp	Mediterranean and E	13	37	Capture product	Tonnes - live weight	0	0	0	0	0	0
31	Albania	Danish chate nei	Mediterranean and E	13	37	Capture product	Tonnes - live weight	0	0	0	0	0	0

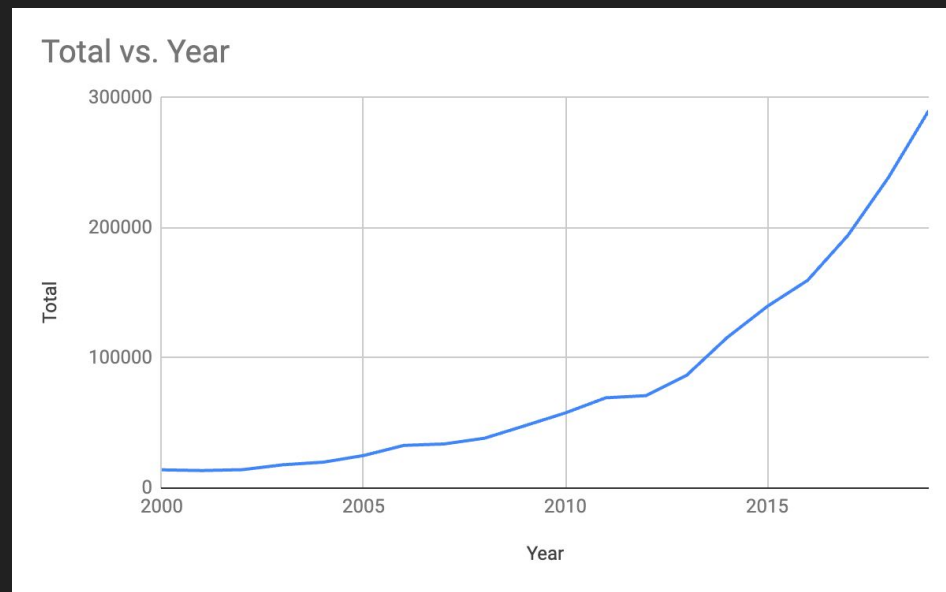


	A	B	
1	Year		Total
2	2000		14002
3	2001		13463
4	2002		14133
5	2003		17886
6	2004		19900
7	2005		25000
8	2006		32800
9	2007		33900
10	2008		38350
11	2009		47965
12	2010		57780
13	2011		69380
14	2012		71030
15	2013		86590
16	2014		115535
17	2015		139630
18	2016		159668
19	2017		194280
20	2018		238610
21	2019		290180
22			

Cambodia aquaculture production

Cleaning data

	A	B	
1	Year	Total	
2	2000	14002	
3	2001	13463	
4	2002	14133	
5	2003	17886	
6	2004	19900	
7	2005	25000	
8	2006	32800	
9	2007	33900	
10	2008	38350	
11	2009	47965	
12	2010	57780	
13	2011	69380	
14	2012	71030	
15	2013	86590	
16	2014	115535	
17	2015	139630	
18	2016	159668	
19	2017	194280	
20	2018	238610	
21	2019	290180	
22			



Household with aquaculture activities

Cleaning data

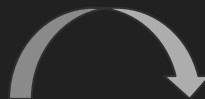
	A	B	C	D	E	F	G	H	I	J	K	L	M
1		Aquaculture_N umber of holdings reporting aquaculture activity	Aquaculture_P ond_Number of holdings	Aquaculture_P ond_Average number of times pond or paddy has flooded in the last 10 years_0 times_(Numbe r)	Aquaculture_P ond_Average number of times pond or paddy has flooded in the last 10 years_1 to 5 times_(Numbe r)	Aquaculture_P ond_Average number of times pond or paddy has flooded in the last 10 years_6 to 10 times_(Numbe r)	Aquaculture_P en_Number of holdings	Aquaculture_C age_Number of holdings	Aquaculture_P addy_Number of holdings	Aquaculture_C ulvertank/dru m/aquarium_N umber of holdings	Aquaculture Other_Numb er of holdings	Fishing Capture_Numb er of holdings reporting capture fishing activity	Fishing Capture_Fri water_(Rive lake)_Numt of holdings
2	Cambodia	51	41	29	9	4 *		8	1	2	1	234	
3	Plain Zone	33	31	23	6	2 *		1 *	*	*	*	77	
4	Kampong Cham	1	1 *	*	*	1 *	*	*	*	*	*	8	
5	Kandal	1	1 *	*	*	1 *	*	*	*	*	*	13	
6	Phnom Penh	*	*	*	*	*	*	*	*	*	*	2	
7	Prey Veng	13	12	9	3	1 *	*	*	*	*	*	36	
8	Svay Rieng	14	14	11	2	1 *	*	*	*	*	*	8 *	
9	Takeo	2	2	2 *	*	2 *	*	*	*	*	*	7	
10	Tboung Khmum	2	1 *	*	*	*	*	1 *	*	*	*	3	
11	Combination of Provinces	*	*	1	1 *	*	*	*	*	*	*	*	*
12	Tonle Sap Lake Zone	15	7	3	2	1 *	*	6 *	*	1 *	*	111	
13	Banteay Meanchey	*	*	*	*	*	*	*	*	*	*	6 *	
14	Battambang	1	1 *	*	*	*	*	*	*	*	*	7	
15	Kampong Chhnang	2	1 *	*	1	1 *	*	1 *	*	*	*	11	
16	Kampong Thom	3	1	1 *	*	*	*	2 *	*	*	*	28	
17	Pursat	3	2	1 *	*	*	*	1 *	*	*	*	22	
18	Siemreap	5	1	1 *	*	1 *	*	2 *	*	1 *	*	22	
19	Oddar Meanchey	1	1 *	*	*	*	*	*	*	*	*	16	
20	Pailin	*	*	*	*	*	*	*	*	*	*	*	*
21	Combination of Provinces	1 *	*	1	1 *	*	*	*	*	*	*	*	*
22	Coastal Zone	3	3	2 *	*	*	*	*	*	*	*	30	

Steps:

- Remove unwanted columns
- Reorganize structure of the records

Household with aquaculture activities

Cleaning data



	A	B	C	D	E	F	G	H	I	J	K	L	M
Province/Zone	Aquaculture_N umber of holdings reporting aquaculture activity	Aquaculture_P ond_Number of holdings	Aquaculture_P ond_Average number of times pond or paddy has flooded in the last 10 years_0 to 5 times_(Numbe r)	Aquaculture_P ond_Average number of times pond or paddy has flooded in the last 10 years_1 to 5 times_(Numbe r)	Aquaculture_P ond_Average number of times pond or paddy has flooded in the last 10 years_6 to 10 times_(Numbe r)	Aquaculture_P en_Number of holdings	Aquaculture_C age_Number of holdings	Aquaculture_P addy_Field_N umber of holdings	Aquaculture_C ulvertank/dru m/aquarium_N umber of holdings	Aquaculture Other_Num ber of holdings	Fishing Capture_Num ber of holdings	Fishing Capture_Fr water_(Rive lake)_Numit ber of holdings	
2		51	41	29	9	4*		6	1	2	1		
3	Plain Zone	33	31	23	6	2*		1*					234
4	Kampong Cham	1	1*		1*								8
5	Kandal	1	1*		1*								13
6	Phnom Penh												2
7	Prey Veng	13	12	9	3	1*							36
8	Svay Rieng	14	14	11	2	1*							8*
9	Takeo	2	2	2*									7
10	Tboung Khmum	2	1*				1*						3
11	Combination of Provinces			1	1*								*
12	Tonle Sap Lake Zone	15	7	3	2	1*	6*		1*				111
13	Banteay Meanchey												6*
14	Battambang	1	1*										7
15	Kampong Chhnang	2	1*		1	1*	1*						11
16	Kampong Thom	3	1	1*			2*						28
17	Pursat	3	2	1*			1*						22
18	Siemreap	5	1	1*		1*	2*		1*				22
19	Oddar Meanchey	1	1*										16
20	Plain												*
21	Combination of Provinces	1*		1	1*								*
22	Coastal Zone	3	3	2*									30

	A	B	C	D	E	F	G	H	I
1	Zone	Province/Zone	Aquaculture Number of holdings reporting aquaculture	Aquaculture_P ond_Number of holdings	Aquaculture_P en_Number of holdings	Aquaculture_C age_Number of holdings	Aquaculture_P addy_Field_N umber of holdings	Aquaculture_C ulvertank/dru m/aquarium_N umber of holdings	Aquaculture Other_Num ber of holdings
2	Plain Zone	Plain Zone	33	31*					
3	Plain Zone	Kampong Cham	1	1*					
4	Plain Zone	Kandal	1	1*					
5	Plain Zone	Phnom Penh							
6	Plain Zone	Prey Veng	13	12*					
7	Plain Zone	Svay Rieng	14	14*					
8	Plain Zone	Takeo	2	2*					
9	Plain Zone	Tboung Khmum	2	1*					
10	Tonle Sap Lake Zone	Tonle Sap Lake Zone	15	7*			6*		1*
11	Tonle Sap Lake Zone	Banteay Meanchey							
12	Tonle Sap Lake Zone	Battambang	1	1*					
13	Tonle Sap Lake Zone	Kampong Chhnang	2	1*					1*
14	Tonle Sap Lake Zone	Kampong Thom	3	1*					2*
15	Tonle Sap Lake Zone	Pursat	3	2*					1*
16	Tonle Sap Lake Zone	Siemreap	5	1*					2*
17	Tonle Sap Lake Zone	Oddar Meanchey	1	1*					
18	Tonle Sap Lake Zone	Plain							
19	Plateau and Mountainous Zone	Plateau and Mountainous Zone	1	1*					
20	Plateau and Mountainous Zone	Kampong Speu							
21	Plateau and Mountainous Zone	Kratie							
22	Plateau and Mountainous Zone	Mondul Kiri							
23	Plateau and Mountainous Zone	Preah Vihear							
24	Plateau and Mountainous Zone	Ratanak Kiri							
25	Plateau and Mountainous Zone	Stung Treng							
26	Total		49	39					7
27			49 000						

Answers

Questions	Answers
How is the trend of fish catch between 2000-2019?	Fish catch has been increased dramatically from about 240000 tonnes in 2000 to about 520000 in 2019.
How is the trend of the share of household with fishing activities between 2009 and 2019?	Share of household with fishing activities were decreasing from 56% in 2009 to 35% in 2019.
How is the trend of aquaculture production between 2000-2020?	Aquaculture production has been increased exponentially from 14000 tonnes in 2000 to 290000 tonnes in 2020.
How many families in Cambodia have adopted aquaculture in 2019?	There were 49 000 households adopted aquaculture in 2019.

DEMO: Interview data