Nourishment Ninjas

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FOOD insecurity

Goal:
★ To display the results of our investigations of the impact of food insecurity in North Carolina

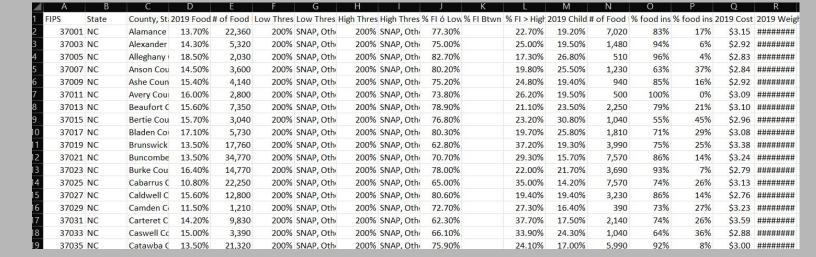Rebecca Caldwell

Hector Santiago

Jasmine Trapier

Kevin Rodriguez

Lenasha Williams

Eyad Kathir

Joycelyn Rouse

Datasets:

Table 1 (top left):

	County, State	Total Population	Total Child Populat	2019 Child VLFS %	2019 Child VLFS #	[Revised Projections ?
1	County, State	Total Population	Total Child Populat	2019 Child VLFS %	2019 Child VLFS #	[Revised Projections ?
2	Alamance County, North Caro	163,324	36,538	0.05	1,840	0.065
3	Alexander County, North Caro	37,213	7,568	0.073	550	0.09
4	Alleghany County, North Caro	11,008	1,918	0.096	180	0.106
5	Anson County, North Carolina	24,902	4,831	0.052	250	0.066
6	Ashe County, North Carolina	26,863	4,856	0.074	360	0.085
7	Avery County, North Carolina	17,506	2,580	0.072	190	0.083
8	Beaufort County, North Caroli	47,168	9,608	0.062	600	0.071
9	Bertie County, North Carolina	19,380	3,394	0.061	210	0.069
10	Bladen County, North Carolina	33,407	6,991	0.064	450	0.075
11	Brunswick County, North Caro	131,815	20,627	0.063	1,300	0.078
12	Buncombe County, North Caro	256,886	48,156	0.052	2,520	0.073
13	Burke County, North Carolina	89,968	17,044	0.079	1,340	0.094
14	Cabarrus County, North Caroli	206,615	53,310	0.035	1,860	0.05
15	Caldwell County, North Caroli	81,884	16,690	0.068	1,140	0.085
16	Camden County, North Carolir	10,551	2,393	0.054	130	0.063
17	Carteret County, North Caroli	69,070	12,271	0.062	760	0.072
18	Caswell County, North Carolin	22,684	4,269	0.067	290	0.081
19	Catawba County, North Caroli	157,613	35,250	0.055	1,930	0.073

Table 2 (top right):

	FEATURE_ID	Name	Type	COUNTY_NAME	DATE_CREATED	DATE_EDITED	City	Address
1	FEATURE_ID	Name	Type	COUNTY_NAME	DATE_CREATED	DATE_EDITED	City	Address
2	980026	Academy Heights Sch	School	Moore	6/17/1980		West End	143 Douglas Ave,
3	980028	Acme Delco Middle Sc	School	Columbus	6/17/1980	4/28/2015	Delco	26133 Andrew Jac
4	980031	Acorn Ridge Church	Church	Moore	6/17/1980		Robbins	299 Acorn Ridge F
5	980042	Adams Creek School	School	Craven	6/17/1980		Havelock	101 Belangia Rd, F
6	980047	Adams Elementary Sch	School	Wake	6/17/1980	8/4/2015	Cary	805 Cary Towne B
7	980048	Adams School	School	Person	6/17/1980		Roxboro	2075 Mountain Rc
8	980052	Adcock Crossroads	Populated F	Vance	6/17/1980		Hendersor	100-132 Carey Ch
9	980061	Afton	Populated F	Warren	6/17/1980		Norlina	US-401, Norlina, N
10	980070	Airy Grove School	School	Lenoir	6/17/1980		Kinston	1752 Hugo Rd, Kin
11	980071	Akers School	School	Halifax	6/17/1980		Roanoke F	174 E 5th St, Weld
12	980076	Albertson	Populated F	Duplin	6/17/1980		Albertson	NC-111, Albertson
13	980077	Albertson Tabernacle	Church	Duplin	6/17/1980		Albertson	Unnamed Road, A
14	980080	Albrittons	Populated F	Lenoir	6/17/1980		Kinston	1021 NC-11 S, Kin
15	980086	Aleo Church	Church	Richmond	6/17/1980		Rockingha	108-150 N School
16	980087	Alert	Populated F	Franklin	6/17/1980		Warrentor	1-41 Mount Grove
17	980102	Allen Chapel	Church	Sampson	6/17/1980		Garland	2294 Herring Rd, F
18	980103	Allen Chapel	Church	Scotland	6/17/1980		Laurinburg	12201 Pankeytow

Table 3 (bottom):

	FIPS	State	County, St	2019 Food	# of Food	Low Thres	Low Thres	High Thres	High Thres	% FI ó Low	% FI Btwn	% FI > High	2019 Child	# of Food	% food ins	% food ins	2019 Cost	2019 Weigh
1	FIPS	State	County, St	2019 Food	# of Food	Low Thres	Low Thres	High Thres	High Thres	% FI ó Low	% FI Btwn	% FI > High	2019 Child	# of Food	% food ins	% food ins	2019 Cost	2019 Weigh
2	37001	NC	Alamance	13.70%	22,360	200%	SNAP, Oth	200%	SNAP, Oth	77.30%		22.70%	19.20%	7,020	83%	17%	$3.15	########
3	37003	NC	Alexander	14.30%	5,320	200%	SNAP, Oth	200%	SNAP, Oth	75.00%		25.00%	19.50%	1,480	94%	6%	$2.92	########
4	37005	NC	Alleghany (	18.50%	2,030	200%	SNAP, Oth	200%	SNAP, Oth	82.70%		17.30%	26.80%	510	96%	4%	$2.83	########
5	37007	NC	Anson Cou	14.50%	3,600	200%	SNAP, Oth	200%	SNAP, Oth	80.20%		19.80%	25.50%	1,230	63%	37%	$2.84	########
6	37009	NC	Ashe Coun	15.40%	4,140	200%	SNAP, Oth	200%	SNAP, Oth	75.20%		24.80%	19.40%	940	85%	16%	$2.92	########
7	37011	NC	Avery Cou	16.00%	2,800	200%	SNAP, Oth	200%	SNAP, Oth	73.80%		26.20%	19.50%	500	100%	0%	$3.09	########
8	37013	NC	Beaufort C	15.60%	7,350	200%	SNAP, Oth	200%	SNAP, Oth	78.90%		21.10%	23.50%	2,250	79%	21%	$3.10	########
9	37015	NC	Bertie Cou	15.70%	3,040	200%	SNAP, Oth	200%	SNAP, Oth	76.80%		23.20%	30.80%	1,040	55%	45%	$2.96	########
10	37017	NC	Bladen Co	17.10%	5,730	200%	SNAP, Oth	200%	SNAP, Oth	80.30%		19.70%	25.80%	1,810	71%	29%	$3.08	########
11	37019	NC	Brunswick	13.50%	17,760	200%	SNAP, Oth	200%	SNAP, Oth	62.80%		37.20%	19.30%	3,990	75%	25%	$3.38	########
12	37021	NC	Buncombe	13.50%	34,770	200%	SNAP, Oth	200%	SNAP, Oth	70.70%		29.30%	15.70%	7,570	86%	14%	$3.24	########
13	37023	NC	Burke Cou	16.40%	14,770	200%	SNAP, Oth	200%	SNAP, Oth	78.00%		22.00%	21.70%	3,690	93%	7%	$2.79	########
14	37025	NC	Cabarrus C	10.80%	22,250	200%	SNAP, Oth	200%	SNAP, Oth	65.00%		35.00%	14.20%	7,570	74%	26%	$3.13	########
15	37027	NC	Caldwell C	15.60%	12,800	200%	SNAP, Oth	200%	SNAP, Oth	80.60%		19.40%	19.40%	3,230	86%	14%	$2.76	########
16	37029	NC	Camden C	11.50%	1,210	200%	SNAP, Oth	200%	SNAP, Oth	72.70%		27.30%	16.40%	390	73%	27%	$3.23	########
17	37031	NC	Carteret C	14.20%	9,830	200%	SNAP, Oth	200%	SNAP, Oth	62.30%		37.70%	17.50%	2,140	74%	26%	$3.59	########
18	37033	NC	Caswell Cc	15.00%	3,390	200%	SNAP, Oth	200%	SNAP, Oth	66.10%		33.90%	24.30%	1,040	64%	36%	$2.88	########
19	37035	NC	Catawba C	13.50%	21,320	200%	SNAP, Oth	200%	SNAP, Oth	75.90%		24.10%	17.00%	5,990	92%	8%	$3.00	########

```
[4]:    import pandas as pd
        import seaborn as sns
```

```
[9]:    data = pd.read_csv('/content/drive/MyDrive/DataSet/NC_FoodSource_Data.csv', low_memory=False)
```

[9]:

	FEATURE_ID	Name	Type	COUNTY_NAME	DATE_CREATED	DATE_EDITED	City	Address
0	980026	Academy Heights School	School	Moore	6/17/1980	NaN	West End	143 Douglas Ave, West End, NC 27376, USA
1	980028	Acme Delco Middle School	School	Columbus	6/17/1980	4/28/2015	Delco	26133 Andrew Jackson Hwy, Delco, NC 28436, USA
2	980031	Acorn Ridge Church	Church	Moore	6/17/1980	NaN	Robbins	299 Acorn Ridge Rd, Robbins, NC 27325, USA
3	980042	Adams Creek School	School	Craven	6/17/1980	NaN	Havelock	101 Belangia Rd, Havelock, NC 28532, USA
4	980047	Adams Elementary School	School	Wake	6/17/1980	8/4/2015	Cary	805 Cary Towne Blvd, Cary, NC 27511, USA

```
[ ]:    data = data.drop(["DATE_CREATED","DATE_EDITED"],axis =1)
        data.head()
```

[45]:

	FEATURE_ID	Name	Type	COUNTY_NAME	City	Address
0	980026	Academy Heights School	School	Moore	West End	143 Douglas Ave, West End, NC 27376, USA
1	980028	Acme Delco Middle School	School	Columbus	Delco	26133 Andrew Jackson Hwy, Delco, NC 28436, USA
2	980031	Acorn Ridge Church	Church	Moore	Robbins	299 Acorn Ridge Rd, Robbins, NC 27325, USA
3	980042	Adams Creek School	School	Craven	Havelock	101 Belangia Rd, Havelock, NC 28532, USA
4	980047	Adams Elementary School	School	Wake	Cary	805 Cary Towne Blvd, Cary, NC 27511, USA

```
[ ]:    data = pd.read_csv('/content/drive/MyDrive/Colab_Notebooks/DataSet/NC_FoodSecurity_County.Child - NC_FoodSecurity_County.Child.csv', low_memory=False)
        data.head()
```

Final Demo: