## TCC

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```
# tabela por ano
tb_muni <- read_fst("base/HHImunicipio.fst")
tb_muni[4:14] |> st()
```

```
tb_muni |> st(out = "kable",fit.page = '\\textwidth', group = "UF",col.breaks = 12, group.long = TRUE)
```

Table 1: Summary Statistics

Variable	N	Mean	Std. Dev.	Min	Pctl. 25	Pctl. 75	Max
2020	5565	2433.297	2369.065	24.973	606.752	3581.496	9846.752
2019	5565	2589.45	2440.996	24.236	684.785	3846.858	10000
2018	5565	2622.74	2450.952	25.001	687.513	3952.771	9884.397
2017	5565	2653.237	2451.48	23.905	701.401	4018.659	9930.797
2016	5565	2523.18	2425.487	31.669	633.459	3777.56	10000
2015	5564	2655.165	2466.745	31.652	679.62	3994.436	10000
2014	5565	2708.753	2508.081	31.368	687.812	4109.072	10000
2013	5565	2795.879	2564.861	31.15	721.84	4335.675	10000
2012	5565	2810.265	2592.92	27.985	698.12	4353.391	10000
2011	5565	2922.552	2632.682	29.932	750.139	4578.633	10000
2010	5564	3065.669	2729.483	29.268	786.907	4875.05	10000

Table 2: Summary Statistics

Variable	N	Mean	Std. Dev.	Min	Pctl. 25	Pctl. 75	Max
UF: Ac							
$\operatorname{cod}$	22	120034.636	19.776	120001	120021.25	120042.75	120080
2020	22	3374.569	2921.226	298.844	1315.303	4583.721	8745.381
2019	22	3433.293	2899.859	355.031	1264.431	4218.068	8948.267
2018	22	3473.928	3176.935	248.582	1220.452	5232.701	9032.863
2017	22	3544.134	3159.661	290.607	1401.47	5153.336	9239.374
2016	22	3438.835	3123.286	299.372	1411.698	4924.975	9111.797
2015	22	3661.901	2965.908	267.784	1772.412	5088.368	8977.078
2014	22	3916.587	3235.296	222.318	1513.101	7203.374	9286.759
2013	22	3960.126	3334.096	249.634	1617.105	7370.48	9343.103
2012	22	4048.407	3386.561	254.392	1595.588	7449.381	9521.237
2011	22	4229.509	3408.765	143.403	1850.912	7813.286	9623.55
2010 UF: Al	22	4543.67	3245.078	428.57	1903.361	8194.475	9668.825
cod	102	270477.902	273.914	270010	270242.5	270707.5	270940
2020	102	4892.018	2633.098	90.442	2640.908	7174.591	9730.964
2019	$102 \\ 102$	4907.583	2594.171	106.162	2812.76	7174.591 $7174.52$	9251.775
2018	102	5006.723	2527.678	86.862	2933.938	7157.826	9776.964
2017	102	4946.166	2513.697	100.228	2781.168	7033.976	9229.678
2016	102	4835.809	2551.539	98.686	2819.185	7035.759	9093.66
2015	102	5033.119	2484.807	86.746	2992.324	7111.171	9243.729
2014	102	5066.561	2470.376	76.134	3368.09	7233.056	9450.704
2013	102	5156.595	2405.253	80.074	3401.269	6991.646	9328.711
2012	102	5263.737	2493.549	84.126	3361.759	7510.303	9408.219
2011	102	5240.083	2623.651	90.479	3342.66	7627.066	9347.659
2010	102	5461.476	2630.582	114.587	3719.82	7962.283	9282.782
UF: Am	00	100016 410	107.050	100000	100000 5	1000455	100440
$\frac{\text{cod}}{2020}$	62	130216.419	137.853	130002	130092.5	130347.5	130440
2020	62 62	$6199.355 \\ 6602.082$	$2702.063 \\ 2696.518$	81.755 $82.469$	$4309.352 \\ 4945.962$	8464.12 8685.533	9650.903 9642.516
$2018 \\ 2017$	62 62	6880.215 6687.247	$2504.496 \\ 2552.485$	85.543 89.648	5320.377 $4995.622$	8811.014 8801.992	9674.028 9487.366
2017	$\frac{62}{62}$	6320.801	2552.485 $2765.362$	88.873	4995.622	8446.83	9487.300
2015	62	6153.675	2818.601	80.458	3708.361	8371.596	9695.496
2014	62	6554.808	2540.149	76.206	4956.253	8771.985	9547.122
2013	62	6511.525	2652.089	76.772	5020.48	8695.823	9652.119
2013	62	6422.628	2688.919	78.683	4519.462	8488.43	9692.356
2011	62	6322.957	2763.766	70.921	3738.995	8731.914	9716.021
2010	62	6677.761	2377.294	99.061	5127.086	8561.169	9780.45
UF: Ap							
$\operatorname{cod}$	16	160036.5	22.349	160005	160020.75	160053.5	160080
2020	16	2305.178	1887.218	138.549	1097.28	3127.899	7187.89
2019	16	1615.28	1153.737	634.371	1003.857	1909.877	5465.859
2018	16	2686.085	1798.332	548.976	1212.619	4301.282	5720.514
2017	16	2558.161	1589.716	613.31	1044.85	3544.59	6415.723
2016	16	2538.375	1580.304	343.035	1201.077	3400.602	5951.598
2015	16	2460.088	1691.986	534.894	814.01	3553.626	5470.813
2014	16	2503.885	1495.574	574.299	1339.352	3733.907	5393.042
2013 $2012$	16 16	2727.867 3394.461	$2095.527 \\ 1830.058$	<b>½</b> 76.715 579.868	$1365.058 \\ 2166.46$	3216.608 $5074.206$	8085.206 6010.98
2011	16 16	3517.743	2228.913	576.928	2282.992	4140.65	8619.903
2010	16	4008.152	2073.18	605.461	2554.064	5409.491	8526.897