
Income and inequality in the Aztec Empire on the eve of the Spanish conquest

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ESTIMATES OF PER_CAPITA INCOME AND INEQUALITY IN THE AZTEC EMPIRE AND ITS PROVINCES (SUPPLEMENTARY METHODS, FIGURES AND TABLES)

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SUPPLEMENTARY METHODS

Population per Social Class

The top of the social structure of the Aztec Empire, formed by the imperial ruling class, the provincial ruling class and the non-ruling nobles, accounted for 2% of the overall population (9). We divide it as follows:

- Imperial ruling class. For this category we assume a population of approximately 600 people who resided entirely in the cities of the Triple Alliance. We base our estimate on the number of provincial lords who were close to the emperor in the *Templo Mayor* (4). This category includes the emperor (*huey tlatoani*) and his direct family who had extensive military, civil and religious powers. It also includes the *cihuacóatl* (a kind of “co-emperor” who was in charge of tax administration, religious affairs and judicial appeals); the *tlacochcácatl* and the *tlacatécatl* (army chiefs); the *huitznacahuatlailótlac* and the *tizociahuácatl* (main judges); the *tlatoque* (representatives of the Empire in the provinces); the *tecutli* (judge and supervisor of the payment of taxes in the provinces). For Tenochtitlan, we assume that this category represented 0.2% of the population, which would correspond to 500 people. For Texcoco and Tlacopan, we assume that this category represented 0.16% of the population, which would correspond to 60 people in Texcoco, and 40 in Tlacopan.
- Provincial ruling class. For this category we assume a population of 18,685 people across the Empire (about 492 per province). This means that across the provinces, 0.28% of the total population falls into this social category. The prevalence will be marginally lower in the Empire as a whole as this category is absent from the cities of the Triple Alliance (see later, Supplementary Table 46). This estimate is consistent with the assumption made by (10) for a range of ancient Mexican communities.
- Non-ruling nobles. We assume that this category included 1.72% of the population in each province (approximately 3,025 non-ruling nobles in each province and 114,972 in the 38 provinces of the Empire). This estimate is obtained by subtracting the 0.28% population share of the provincial ruling class from the 2% that corresponds to the overall nobility of each province of the Empire. Tenochtitlan is a particular case. Since it was the imperial capital, the noble class had a proportionally larger population share than in the rest of the provinces: an estimated 5% of the total residents of the metropolis (4). Thus, subtracting the 0.2% that represented the imperial ruling class residing in Tenochtitlan, non-ruling nobles amounted to

4.8% of the city population (12,000 people). For both Texcoco and Tlacopan, we estimate that non-ruling nobles were 1.84% of the population. This figure is obtained by subtracting from the 2% of the nobility the 0.16% that represents the imperial ruling class in these two cities. This amounts to 655 non-ruling nobles in Texcoco and 552 in Tlacopan.

For the special categories, we assume a population equivalent to 2% in the 38 provinces, Texcoco and Tlacopan, and 6% in Tenochtitlan. In other words, the size of the population belonging to these groups was similar to that of the nobility. Based on the available literature (4), we assume the following percentage distribution of the population for each special category:

- Special Category 3: 0.4% of the total population in the Empire, the provinces and the city-states of Texcoco and Tlacopan. For Tenochtitlan, 1% of the total population in the city.
- Special Category 2: 0.6% of the total population in the Empire, the provinces and the city-states of Texcoco and Tlacopan. For Tenochtitlan, 2% of the total population in the city.
- Special Category 1: 1% of the total population in the Empire, the provinces and the city-states of Texcoco and Tlacopan. For Tenochtitlan, 3% of the total population in the city.

For the commoners, we assume that they included about 93% of the total imperial population. This estimate is obtained as a residual category, given the estimated 2% nobility, 2% commoners in special categories and 3% slaves. We then divide the commoners into three categories, which is consistent with the information provided by the *Matrícula de Huexotzinco* (11), with some further tweaks for Tenochtitlan (4).

- Commoners Level 3: 43.6% of total population in the provinces and the city-states of Texcoco and Tlacopan. For Tenochtitlan, we assume a figure of 36% of the population based on the available information (4).
- Commoners Level 2: 10% of total population in the provinces and the city-states of Texcoco and Tlacopan. For Tenochtitlan, we assume a figure of 17% of the population based on the available information (4).
- Commoners Level 1: 39.4% of total population in the provinces and the city-states of Texcoco and Tlacopan. For Tenochtitlan, we assume a figure of 30% of the population based on the available information (4).

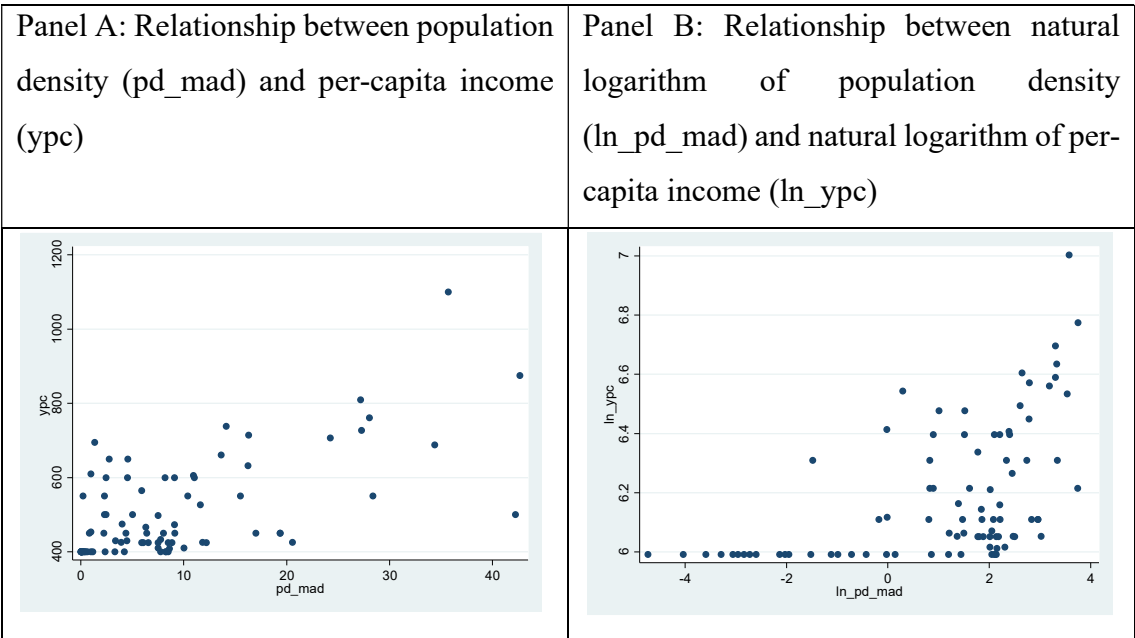
The final category is that of slaves, which we can be estimated based on (4):

- Slaves: 3% of the total population for the 38 provinces, Texcoco and Tlacopan. For Tenochtitlan, we assume 6% of the total population.

Working Days per Year

We estimate 256 working days per year. To reach this conclusion, consider that the Aztecs, following other Mesoamerican cultures, used two calendars. The first was the solar calendar (*Xiuhpohualli*), which had 365 days and was organized in 18 months, each with 20 days; each month with four weeks of 5 days each, giving a total of 360 days. They also had 5 days called *Nemontemi*. The second was the religious calendar (*Tonalpohualli*) which had 260 days, divided into 20 weeks of 13 days each. We consider the following to be non-working days: i) the 5 days of *Nemontemi*, in which people had to stay at home; ii) 73 days of the solar calendar dedicated to the market (they used to work 4 days a week and the fifth was for the market); iii) 20 days known as *Panquetzaliztli*, defined on the religious calendar (at the end of each week of the religious calendar there was a non-working day dedicated to religious ceremonies); iv) 11 days in other festivities (12, 13).

SUPPLEMENTARY FIGURES



Supplementary Figure 1. Relationship between population density and per-capita income for preindustrial societies. Both Panel A and B confirm that in preindustrial societies there exists a relationship between population density and per-capita income. This relationship is positive, both for absolute values and for their natural logarithmic transformation.

SUPPLEMENTARY TABLES

Supplementary Table 1a. Estimated Per-capita Income and Inequality in the Aztec empire

ID* Province	Location	(A) Population Density	(B) Per-capita Income \$PPP 1990	(C) Per-capita Income in Minimum Subsistence	(D) Gini Coefficient
- Aztec Empire (overall)	-	42	689.9**	1.7	50.4
- Tenochtitlan	-	-	1980.0**	5.0	79.9
- Texcoco	-	-	990.0**	2.5	64.8
- Tlacopan	-	-	990.0**	2.5	65.0
1 Tlatelolco	Center	157.6	925.4	2.3	62.3
2 Petlascalco	Center	251.5	1015.0	2.5	64.0
3 Acolhuacan	Center	37.6	696.8	1.7	46.3
4 Cuauhnahuac	Center	199.3	969.3	2.4	62.2
5 Huaxtepec	Center	210.9	980.2	2.5	62.6
6 Quauhtitlan	North	40.3	706.6	1.8	50.3
7 Axocopan	North	32.8	678.3	1.7	46.7
8 Atotonilco de Pedraza	North	32.8	678.3	1.7	47.6
9 Hueypochtlan	North	35.0	687.3	1.7	48.3
10 Atotonilco el Grande	North	32.8	678.3	1.7	46.8
11 Xilotepec	West	35.3	688.2	1.7	47.1
12 Quahuacan	West	67.4	782.2	2.0	54.5
13 Tollocan	West	40.3	706.6	1.8	49.4
14 Ocuillan	West	40.3	706.6	1.8	49.9
15a Malinalco	West	40.3	706.6	1.8	50.3
15b Xocotitlan	West	40.3	706.6	1.8	51.1
16 Tlachco	South	16.8	594.6	1.5	38.7
17 Tepequacuico	West	14.2	575.2	1.4	34.3
18 Cihuatlan	West	14.2	575.2	1.4	33.6
19 Tlahuapan	South	14.2	575.2	1.4	38.1
20a Tlalcozauhtitlan	South	14.2	575.2	1.4	40.0
20b Quiauhteopan	South	14.2	575.2	1.4	40.0
20c Youaltepec	South	16.7	593.5	1.5	41.9
21 Chalco	South	97.2	840.9	2.1	58.6
22 Tepeyacac	South	25.3	644.3	1.6	38.5
23 Coaixtlahuacan	South	15.4	584.2	1.5	38.4
24 Coyolapan	South	14.2	575.2	1.4	38.8

25	Tlachquiahco	South	14.2	575.2	1.4	40.0
26	Tochtepec	South	14.2	575.2	1.4	36.6
27	Xoconochco	South	6.7	496.2	1.2	31.2
28	Quauhtochco	East	14.2	575.2	1.4	39.4
29	Cuetlaxtlan	East	14.2	575.2	1.4	35.0
30	Tlapacoyan	East	25.3	644.3	1.6	45.4
31	Tlatlahquitepec	East	22.5	629.7	1.6	40.7
32	Tochpan	East	14.2	575.2	1.4	33.0
33	Atlan	East	25.3	644.3	1.6	44.0
34	Tziuhcoac	East	22.2	627.9	1.6	42.5
35	Oxitipan	East	14.2	575.2	1.4	35.9

* ID according to Broda (1).

** Estimates of Per-capita Income for the Aztec Empire as a whole and the cities of the Triple Alliance have been obtained from social tables, hence no confidence intervals are reported

Supplementary Table 1b. Estimation of Confidence Intervals of Per-capita Income in the Aztec empire

ID* Province	(A)	(B)	(C)	(D)	(E)	(F)	
	Natural logarithm of population density	Natural logarithm of per-capita Income $\ln_ypc_i$	Std. Err.	t-statistic	P> t	95% Conf. Interval of natural logarithm of per-capita income**	
- Aztec Empire (overall)***	3.7376	6.5686	0.0908	71.9900	0.0000	(6.3561	6.7195)
1 Tlatelolco	5.0604	6.8302	0.1520	44.7400	0.0000	(6.4955	7.1035)
2 Petlascalco	5.5275	6.9226	0.1739	39.6300	0.0000	(6.5440	7.2397)
3 Acolhuacan	3.6260	6.5465	0.0858	75.9600	0.0000	(6.3442	6.6874)
4 Cuauhnahuac	5.2949	6.8766	0.1630	42.0000	0.0000	(6.5199	7.1719)
5 Huaxtepec	5.3513	6.8878	0.1656	41.4000	0.0000	(6.5257	7.1883)
6 Quauhtitlan	3.6964	6.5604	0.0889	73.4100	0.0000	(6.3518	6.7076)
7 Axocopan	3.4896	6.5195	0.0797	81.4500	0.0000	(6.3294	6.6481)
8 Atotonilco de Pedraza	3.4896	6.5195	0.0797	81.4500	0.0000	(6.3294	6.6481)
9 Hueypochtlan	3.5562	6.5327	0.0826	78.6800	0.0000	(6.3367	6.6673)
10 Atotonilco el Grande	3.4896	6.5195	0.0797	81.4500	0.0000	(6.3294	6.6481)
11 Xilotepec	3.5634	6.5341	0.0830	78.3900	0.0000	(6.3374	6.6693)
12 Quahuacan	4.2104	6.6621	0.1124	58.9700	0.0000	(6.4064	6.8563)
13 Tolloacan	3.6964	6.5604	0.0889	73.4100	0.0000	(6.3518	6.7076)
14 Ocuillan	3.6964	6.5604	0.0889	73.4100	0.0000	(6.3518	6.7076)
15a Malinalco	3.6964	6.5604	0.0889	73.4100	0.0000	(6.3518	6.7076)
15b Xocotitlan	3.6964	6.5604	0.0889	73.4100	0.0000	(6.3518	6.7076)
16 Tlachco	2.8243	6.3880	0.0512	124.0400	0.0000	(6.2547	6.4597)
17 Tepequacuico	2.6564	6.3547	0.0448	141.2400	0.0000	(6.2344	6.4135)
18 Cihuatlan	2.6564	6.3547	0.0448	141.2400	0.0000	(6.2344	6.4135)
19 Tlahuppan	2.6564	6.3547	0.0448	141.2400	0.0000	(6.2344	6.4135)
20a Tlalcozauhtitlan	2.6564	6.3547	0.0448	141.2400	0.0000	(6.2344	6.4135)
20b Quiauhteopan	2.6564	6.3547	0.0448	141.2400	0.0000	(6.2344	6.4135)
20c Youaltepec	2.8151	6.3861	0.0509	124.9000	0.0000	(6.2536	6.4572)
21 Chalco	4.5764	6.7345	0.1294	51.8100	0.0000	(6.4449	6.9626)
22 Tepeyacac	3.2297	6.4681	0.0682	94.3600	0.0000	(6.3009	6.5738)
23 Coaixtlahuacan	2.7347	6.3702	0.0477	132.8000	0.0000	(6.2440	6.4350)
24 Coyolapan	2.6564	6.3547	0.0448	141.2400	0.0000	(6.2344	6.4135)
25 Tlachquiauhco	2.6564	6.3547	0.0448	141.2400	0.0000	(6.2344	6.4135)
26 Tochtepec	2.6564	6.3547	0.0448	141.2400	0.0000	(6.2344	6.4135)

27	Xoconochco	1.9095	6.2070	0.0281	219.6600	0.0000	(6.1200	6.2325)
28	Quauhtochco	2.6564	6.3547	0.0448	141.2400	0.0000	(6.2344	6.4135)
29	Cuetlaxtlan	2.6564	6.3547	0.0448	141.2400	0.0000	(6.2344	6.4135)
30	Tlapacoyan	3.2297	6.4681	0.0682	94.3600	0.0000	(6.3009	6.5738)
31	Tlatlahuquitepec	3.1141	6.4453	0.0632	101.4200	0.0000	(6.2880	6.5410)
32	Tochpan	2.6564	6.3547	0.0448	141.2400	0.0000	(6.2344	6.4135)
33	Atlan	3.2297	6.4681	0.0682	94.3600	0.0000	(6.3009	6.5738)
34	Tziuhcoac	3.0994	6.4424	0.0626	102.3900	0.0000	(6.2864	6.5369)
35	Oxitipan	2.6564	6.3547	0.0448	141.2400	0.0000	(6.2344	6.4135)

* ID according to Broda (1).

** The 95% confidence intervals expressed in the natural logarithm of per capita income (Column F) can be converted in per capita income \$PPP 1990 by exponential transformation.

*** The estimates of per-capita income for the Aztec Empire as a whole from our regression model are reported here for completeness, as we prefer the more precise estimates coming from our social table approach. Note that the estimated per-capita income from the regression model, 712 \$PPP 1990, is very close to our preferred estimate of 690 \$PPP 1990. See Main Text and Methods for further discussion.

Supplementary Table 2. Extraction level by province (for Imperial Ruling Class, Provincial Ruling Class and non-ruling Nobles; measured as % of GDP earned).

ID* Province	(A) Total Extraction (B+C+D) % GDP**	(B) Extraction Imperial Ruling Class % GDP	(C) Extraction Provincial Ruling Class % GDP	(D) Extraction non-ruling Nobles % GDP
- Aztec Empire	46.6	4.5	28.4	13.7
1 Tlatelolco	60.5	1.3	44.4	14.8
2 Petlacalco	64.0	5.9	43.6	14.5
3 Acolhuacan	47.6	8.6	29.3	9.8
4 Cuauhnahuac	89.1	8.8	60.2	20.1
5 Huaxtepec	62.8	6.1	42.5	14.2
6 Quauhtitlan	48.3	2.5	34.3	11.4
7 Axocopan	46.2	5.5	30.5	10.2
8 Atotonilco de Pedraza	46.2	3.8	31.8	10.6
9 Hueypochtlan	46.9	3.7	32.4	10.8
10 Atotonilco el Grande	46.2	5.3	30.7	10.2
11 Xilotepec	47.0	6.1	30.6	10.2
12 Quahuacan	53.3	3.6	37.3	12.4
13 Tollocan	45.6	3.6	31.5	10.5
14 Ocuillan	48.3	3.4	33.7	11.2
15a Malinalco	48.3	2.5	34.3	11.4
15b Xocotitlan	48.3	0.8	35.6	11.9
16 Tlachco	38.6	5.4	24.9	8.3
17 Tepequacuico	36.5	9.8	20.1	6.7
18 Cihuatlan	36.5	10.7	19.3	6.4
19 Tlahupan	36.5	4.2	24.3	8.1
20a Tlalcozauhtitlan	36.5	1.2	26.5	8.8
20b Quiauhteopan	36.5	1.1	26.6	8.9
20c Youaltepec	38.5	1.1	28.1	9.4
21 Chalco	56.6	1.4	41.4	13.8
22 Tepeyacac	43.3	14.0	22.0	7.3
23 Coaixtlahuacan	37.5	5.2	24.3	8.1
24 Coyolapan	36.5	3.1	25.0	8.3
25 Tlachquiauhco	36.5	1.0	26.6	8.9
26 Tochtepec	36.5	6.5	22.6	7.5
27 Xoconochco	26.4	0.2	19.7	6.6
28 Quauhtochco	36.5	2.1	25.8	8.6
29 Cuetlaxtlan	36.5	8.9	20.7	6.9
30 Tlapacoyan	43.3	2.8	30.4	10.1
31 Tlatlahquitepec	42.0	8.6	25.1	8.4
32 Tochpan	36.5	11.6	18.7	6.2

33	Atlan	43.3	5.4	28.5	9.5
34	Tziuhcoac	41.9	5.5	27.3	9.1
35	Oxitipan	36.5	7.6	21.7	7.2

** ID according to Broda (1).

** Total Extraction is the percentage of total GDP that is extracted or “earned” by the 3 richest groups of the Aztec society (see Supplementary Information).

Supplementary Table 3: Estimating the relationship between population density and per-capita income (GDP per capita \$PPP 1990; Dependent Variable Ln GDP)

Panel A: Model 1 OLS						
	Coefficient	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
Ln population density	0.1895	0.0399	4.75	0.000	0.1096	0.2693
Ln land productivity	-0.0716	0.0284	-2.52	0.014	-0.1284	-0.0147
Ln absolute latitude	0.0856	0.1174	0.73	0.469	-0.1493	0.3204
mean distance to nearest coast or river	-0.0633	0.1921	-0.33	0.743	-0.4477	0.3210
percentage of land within 100 km of coast or river	-0.2404	0.1465	-1.64	0.106	-0.5336	0.0526
Constant	5.7275	0.3873	14.79	0.000	4.9526	6.5024
Observations				66		
Prob > F				0.0001		
R-squared				0.3172		
Panel B: Model 2 2SLS						
	Coefficient	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
Ln population density	0.1977	0.04763	4.15	0.000	0.1025	0.2930
Ln land productivity	-0.0404	0.02307	-1.75	0.085	-0.0865	0.0057
Ln absolute latitude	0.0227	0.0425	0.54	0.594	-0.0622	0.1077
mean distance to nearest coast or river	-0.1477	0.1951	-0.76	0.452	-0.5380	0.2426
percentage of land within 100 km of coast or river	-0.1218	0.1580	-1.77	0.444	-0.4381	0.1943
Constant	5.8293	0.1512	38.53	0.000	5.5266	6.1319
Observations				66		
Prob > F				0.0015		
R-squared				0.0864		

The variables used in both models are the following:

ypc = GDP per capita (in column G),
 ln_ypc = natural logarithm of GDP per capita (in column E),
 pd_mad = population density (in column F)
 ln_pd_mad = natural logarithm of population density (in column D),
 pc_lnar_lnas = natural logarithm of land productivity (in column I),
 ln_abslat = natural logarithm of absolute latitude (in column H),

distr1000	= mean distance to nearest coast or river (in column J),	
land100cr	= percentage of land within 100 km of coast or river (in column K),	
animal	= number of domesticated animal species, which is our instrumental	variable to control for endogeneity in Model 2.

Supplementary Table 4: Equivalences used to develop the estimates

Physical survival level: 300 \$PPP = 0.75 Minimum Subsistence	We assume a minimum daily calorie intake of 2,370 for an adult and of 1,820 for the non-working population (children and elderly), as suggested by the literature for the Indian population (2, 3). Given these calorie intakes, we use a minimum diet expressed in grams of corn, assuming an equivalence of 182,400 calories per bushel of corn. Thus, the minimum amount of corn to achieve the 2,370 daily calories needed by an adult is 963 grams, and 722 grams of corn for the children and the elderly. To obtain the average consumption per inhabitant, the proportion between the adult population, children and elderly estimated by Rojas (4) is used to weight the two figures, thus obtaining an average daily amount of 867 grams of corn. Therefore, the amount of 867 grams of corn is equivalent to 300 dollars, which corresponds to the level of physical survival indicated by the literature (5, 6).
Minimum subsistence: 400 \$PPP = 1 Minimum Subsistence	We assume the Minimum Subsistence level indicated by the literature (5, 6).
1 \$PPP = 2.29 cocoa beans	1 bushel of corn had the price of 1 Real or 100 cocoa beans (7). We can then set the subsistence minimum at 1.88 cocoa beans per person per day and 686 cocoa beans per person per year (considering 365 days a year). The amount of 686 cocoa beans per person per year is also the equivalent of an income of \$PPP 300 at 1990, given that this is required to survive with the minimum nutrition. As we set our subsistence income at the higher level of 400 \$PPP 1990, our subsistence minimum equals 916 cocoa beans per capita per year. With either of these two estimates we reach the equivalence of 1 \$PPP = 2.29 cocoa beans.
1 <i>manta</i> = 800 cocoa beans	The equivalence is provided by the literature (8)

Note to Supplementary Tables 5 to 45: the incomes that we report as multiples of minimum subsistence can be easily converted to 1990 \$PPP by using the equivalence: income level 1 = 400 \$PPP 1990 (see Supplementary Table 4).

Supplementary Table 5. Tenochtitlan (capital city)

Income Social Group	Per-capita Income in Minimum Subsistence	Estimated Population Share (%)
Imperial ruling class	963.7	0.2
Non-ruling Nobles	39.9	4.8
Special Category 3	8.00	1
Special Category 2	6.00	2
Special Category 1	4.00	3
Commoners Level 3	1.05	36
Commoners Level 2	0.85	17
Commoners Level 1	0.80	30
Slaves	0.75	6

Supplementary Table 6. Texcoco (city-state of the Triple Alliance)

Income Social Group	Per-capita Income in Minimum Subsistence	Estimated Population Share (%)
Imperial ruling class	577.2	0.16
Non-ruling Nobles	33.2	1.84
Special Category 3	6.00	0.4
Special Category 2	4.50	0.6
Special Category 1	3.00	1
Commoners Level 3	1.025	43.6
Commoners Level 2	0.85	10
Commoners Level 1	0.80	39.4
Slaves	0.75	3

Supplementary Table 7. Tlacopan (city-state of the Triple Alliance)

Income Social Group	Per-capita Income in Minimum Subsistence	Estimated Population Share (%)
Imperial ruling class	684.5	0.16
Non-ruling Nobles	23.9	1.84
Special Category 3	6.00	0.4
Special Category 2	4.50	0.6
Special Category 1	3.00	1
Commoners Level 3	1.025	43.6
Commoners Level 2	0.85	10
Commoners Level 1	0.80	39.4
Slaves	0.75	3

Supplementary Table 8. Tlatelolco (province 1)

Income Social Group	Per-capita Income in Minimum Subsistence	Estimated Population Share (%)
Provincial ruling class	366.98	0.28
Non-ruling Nobles	19.91	1.72
Special Category 3	4.00	0.4
Special Category 2	3.00	0.6
Special Category 1	2.00	1.0
Commoners Level 3	1.00	43.6
Commoners Level 2	0.85	10.0
Commoners Level 1	0.80	39.4
Slaves	0.75	3.0

Supplementary Table 9. Petlacalco (province 2)

Income Social Group	Per-capita Income in Minimum Subsistence	Estimated Population Share (%)
Provincial ruling class	395.05	0.28
Non-ruling Nobles	21.44	1.72
Special Category 3	4.00	0.4
Special Category 2	3.00	0.6
Special Category 1	2.00	1.0
Commoners Level 3	1.00	43.6
Commoners Level 2	0.85	10.0
Commoners Level 1	0.80	39.4
Slaves	0.75	3.0

Supplementary Table 10. Acolhuacan (province 3)

Income Social Group	Per-capita Income in Minimum Subsistence	Estimated Population Share (%)
Provincial ruling class	181.98	0.28
Non-ruling Nobles	9.87	1.72
Special Category 3	4.00	0.4
Special Category 2	3.00	0.6
Special Category 1	2.00	1.0
Commoners Level 3	1.00	43.6
Commoners Level 2	0.85	10.0
Commoners Level 1	0.80	39.4
Slaves	0.75	3.0

Supplementary Table 11. Cuauhnahuac (province 4)

Income Social Group	Per-capita Income in Minimum Subsistence	Estimated Population Share (%)
Provincial ruling class	364.48	0.28
Non-ruling Nobles	19.78	1.72
Special Category 3	4.00	0.4
Special Category 2	3.00	0.6
Special Category 1	2.00	1.0
Commoners Level 3	1.00	43.6
Commoners Level 2	0.85	10.0
Commoners Level 1	0.80	39.4
Slaves	0.75	3.0

Supplementary Table 12. Huaxtepec (province 5)

Income Social Group	Per-capita Income in Minimum Subsistence	Estimated Population Share (%)
Provincial ruling class	371.76	0.28
Non-ruling Nobles	20.17	1.72
Special Category 3	4.00	0.4
Special Category 2	3.00	0.6
Special Category 1	2.00	1.0
Commoners Level 3	1.00	43.6
Commoners Level 2	0.85	10.0
Commoners Level 1	0.80	39.4
Slaves	0.75	3.0

Supplementary Table 13. Quauhtitlan (province 6)

Income Social Group	Per-capita Income in Minimum Subsistence	Estimated Population Share (%)
Provincial ruling class	216.63	0.28
Non-ruling Nobles	11.76	1.72
Special Category 3	4.00	0.4
Special Category 2	3.00	0.6
Special Category 1	2.00	1.0
Commoners Level 3	1.00	43.6
Commoners Level 2	0.85	10.0
Commoners Level 1	0.80	39.4
Slaves	0.75	3.0

Supplementary Table 14. Axocopan (province 7)

Income Social Group	Per-capita Income in Minimum Subsistence	Estimated Population Share (%)
Provincial ruling class	184.62	0.28
Non-ruling Nobles	10.02	1.72
Special Category 3	4.00	0.4
Special Category 2	3.00	0.6
Special Category 1	2.00	1.0
Commoners Level 3	1.00	43.6
Commoners Level 2	0.85	10.0
Commoners Level 1	0.80	39.4
Slaves	0.75	3.0

Supplementary Table 15. Atotonilco de Pedraza (province 8)

Income Social Group	Per-capita Income in Minimum Subsistence	Estimated Population Share (%)
Provincial ruling class	192.65	0.28
Non-ruling Nobles	10.45	1.72
Special Category 3	4.00	0.4
Special Category 2	3.00	0.6
Special Category 1	2.00	1.0
Commoners Level 3	1.00	43.6
Commoners Level 2	0.85	10.0
Commoners Level 1	0.80	39.4
Slaves	0.75	3.0

Supplementary Table 16. Hueypochtlan (province 9)

Income Social Group	Per-capita Income in Minimum Subsistence	Estimated Population Share (%)
Provincial ruling class	198.68	0.28
Non-ruling Nobles	10.78	1.72
Special Category 3	4.00	0.4
Special Category 2	3.00	0.6
Special Category 1	2.00	1.0
Commoners Level 3	1.00	43.6
Commoners Level 2	0.85	10.0
Commoners Level 1	0.80	39.4
Slaves	0.75	3.0

Supplementary Table 17. Atotonilco el Grande (province 10)

Income Social Group	Per-capita Income in Minimum Subsistence	Estimated Population Share (%)
Provincial ruling class	185.62	0.28
Non-ruling Nobles	10.07	1.72
Special Category 3	4.00	0.4
Special Category 2	3.00	0.6
Special Category 1	2.00	1.0
Commoners Level 3	1.00	43.6
Commoners Level 2	0.85	10.0
Commoners Level 1	0.80	39.4
Slaves	0.75	3.0

Supplementary Table 18. Xilotepec (province 11)

Income Social Group	Per-capita Income in Minimum Subsistence	Estimated Population Share (%)
Provincial ruling class	188.28	0.28
Non-ruling Nobles	10.22	1.72
Special Category 3	4.00	0.4
Special Category 2	3.00	0.6
Special Category 1	2.00	1.0
Commoners Level 3	1.00	43.6
Commoners Level 2	0.85	10.0
Commoners Level 1	0.80	39.4
Slaves	0.75	3.0

Supplementary Table 19. Quahuacan (province 12)

Income Social Group	Per-capita Income in Minimum Subsistence	Estimated Population Share (%)
Provincial ruling class	260.24	0.28
Non-ruling Nobles	14.12	1.72
Special Category 3	4.00	0.4
Special Category 2	3.00	0.6
Special Category 1	2.00	1.0
Commoners Level 3	1.00	43.6
Commoners Level 2	0.85	10.0
Commoners Level 1	0.80	39.4
Slaves	0.75	3.0

Supplementary Table 20. Tollocan (province 13)

Income Social Group	Per-capita Income in Minimum Subsistence	Estimated Population Share (%)
Provincial ruling class	208.60	0.28
Non-ruling Nobles	11.32	1.72
Special Category 3	4.00	0.4
Special Category 2	3.00	0.6
Special Category 1	2.00	1.0
Commoners Level 3	1.00	43.6
Commoners Level 2	0.85	10.0
Commoners Level 1	0.80	39.4
Slaves	0.75	3.0

Supplementary Table 21. Ocuillan (province 14)

Income Social Group	Per-capita Income in Minimum Subsistence	Estimated Population Share (%)
Provincial ruling class	212.62	0.28
Non-ruling Nobles	11.54	1.72
Special Category 3	4.00	0.4
Special Category 2	3.00	0.6
Special Category 1	2.00	1.0
Commoners Level 3	1.00	43.6
Commoners Level 2	0.85	10.0
Commoners Level 1	0.80	39.4
Slaves	0.75	3.0

Supplementary Table 22. Malinalco (province 15.a)

Income Social Group	Per-capita Income in Minimum Subsistence	Estimated Population Share (%)
Provincial ruling class	216.63	0.28
Non-ruling Nobles	11.76	1.72
Special Category 3	4.00	0.4
Special Category 2	3.00	0.6
Special Category 1	2.00	1.0
Commoners Level 3	1.00	43.6
Commoners Level 2	0.85	10.0
Commoners Level 1	0.80	39.4
Slaves	0.75	3.0

Supplementary Table 23. Xicotitlan (province 15.b)

Income Social Group	Per-capita Income in Minimum Subsistence	Estimated Population Share (%)
Provincial ruling class	224.67	0.28
Non-ruling Nobles	12.19	1.72
Special Category 3	4.00	0.4
Special Category 2	3.00	0.6
Special Category 1	2.00	1.0
Commoners Level 3	1.00	43.6
Commoners Level 2	0.85	10.0
Commoners Level 1	0.80	39.4
Slaves	0.75	3.0

Supplementary Table 24. Tlachco (province 16)

Income Social Group	Per-capita Income in Minimum Subsistence	Estimated Population Share (%)
Provincial ruling class	132.13	0.28
Non-ruling Nobles	7.17	1.72
Special Category 3	4.00	0.4
Special Category 2	3.00	0.6
Special Category 1	2.00	1.0
Commoners Level 3	1.00	43.6
Commoners Level 2	0.85	10.0
Commoners Level 1	0.80	39.4
Slaves	0.75	3.0

Supplementary Table 25. Tepequacuilco (province 17)

Income Social Group	Per-capita Income in Minimum Subsistence	Estimated Population Share (%)
Provincial ruling class	103.06	0.28
Non-ruling Nobles	5.59	1.72
Special Category 3	4.00	0.4
Special Category 2	3.00	0.6
Special Category 1	2.00	1.0
Commoners Level 3	1.00	43.6
Commoners Level 2	0.85	10.0
Commoners Level 1	0.80	39.4
Slaves	0.75	3.0

Supplementary Table 26. Cihuatlan (province 18)

Income Social Group	Per-capita Income in Minimum Subsistence	Estimated Population Share (%)
Provincial ruling class	99.34	0.28
Non-ruling Nobles	5.39	1.72
Special Category 3	4.00	0.4
Special Category 2	3.00	0.6
Special Category 1	2.00	1.0
Commoners Level 3	1.00	43.6
Commoners Level 2	0.85	10.0
Commoners Level 1	0.80	39.4
Slaves	0.75	3.0

Supplementary Table 27. Tlahupan (province 19)

Income Social Group	Per-capita Income in Minimum Subsistence	Estimated Population Share (%)
Provincial ruling class	124.64	0.28
Non-ruling Nobles	6.76	1.72
Special Category 3	4.00	0.4
Special Category 2	3.00	0.6
Special Category 1	2.00	1.0
Commoners Level 3	1.00	43.6
Commoners Level 2	0.85	10.0
Commoners Level 1	0.80	39.4
Slaves	0.75	3.0

Supplementary Table 28. Tlalcozauhtitlan (province 20a)

Income Social Group	Per-capita Income in Minimum Subsistence	Estimated Population Share (%)
Provincial ruling class	136.19	0.28
Non-ruling Nobles	7.39	1.72
Special Category 3	4.00	0.4
Special Category 2	3.00	0.6
Special Category 1	2.00	1.0
Commoners Level 3	1.00	43.6
Commoners Level 2	0.85	10.0
Commoners Level 1	0.80	39.4
Slaves	0.75	3.0

Supplementary Table 29. Quiauhteopan (province 20b)

Income Social Group	Per-capita Income in Minimum Subsistence	Estimated Population Share (%)
Provincial ruling class	136.44	0.28
Non-ruling Nobles	7.40	1.72
Special Category 3	4.00	0.4
Special Category 2	3.00	0.6
Special Category 1	2.00	1.0
Commoners Level 3	1.00	43.6
Commoners Level 2	0.85	10.0
Commoners Level 1	0.80	39.4
Slaves	0.75	3.0

Supplementary Table 30. Youaltepec (province 20c)

Income Social Group	Per-capita Income in Minimum Subsistence	Estimated Population Share (%)
Provincial ruling class	148.73	0.28
Non-ruling Nobles	8.07	1.72
Special Category 3	4.00	0.4
Special Category 2	3.00	0.6
Special Category 1	2.00	1.0
Commoners Level 3	1.00	43.6
Commoners Level 2	0.85	10.0
Commoners Level 1	0.80	39.4
Slaves	0.75	3.0

Supplementary Table 31. Chalco (province 21)

Income Social Group	Per-capita Income in Minimum Subsistence	Estimated Population Share (%)
Provincial ruling class	310.61	0.28
Non-ruling Nobles	16.85	1.72
Special Category 3	4.00	0.4
Special Category 2	3.00	0.6
Special Category 1	2.00	1.0
Commoners Level 3	1.00	43.6
Commoners Level 2	0.85	10.0
Commoners Level 1	0.80	39.4
Slaves	0.75	3.0

Supplementary Table 32. Tepeyacac (province 22)

Income Social Group	Per-capita Income in Minimum Subsistence	Estimated Population Share (%)
Provincial ruling class	126.71	0.28
Non-ruling Nobles	6.88	1.72
Special Category 3	4.00	0.4
Special Category 2	3.00	0.6
Special Category 1	2.00	1.0
Commoners Level 3	1.00	43.6
Commoners Level 2	0.85	10.0
Commoners Level 1	0.80	39.4
Slaves	0.75	3.0

Supplementary Table 33. Coaixtlahuacan (province 23)

Income Social Group	Per-capita Income in Minimum Subsistence	Estimated Population Share (%)
Provincial ruling class	126.54	0.28
Non-ruling Nobles	6.87	1.72
Special Category 3	4.00	0.4
Special Category 2	3.00	0.6
Special Category 1	2.00	1.0
Commoners Level 3	1.00	43.6
Commoners Level 2	0.85	10.0
Commoners Level 1	0.80	39.4
Slaves	0.75	3.0

Supplementary Table 34. Coyolapan (province 24)

Income Social Group	Per-capita Income in Minimum Subsistence	Estimated Population Share (%)
Provincial ruling class	128.61	0.28
Non-ruling Nobles	6.98	1.72
Special Category 3	4.00	0.4
Special Category 2	3.00	0.6
Special Category 1	2.00	1.0
Commoners Level 3	1.00	43.6
Commoners Level 2	0.85	10.0
Commoners Level 1	0.80	39.4
Slaves	0.75	3.0

Supplementary Table 35. Tlachquiahco (province 25)

Income Social Group	Per-capita Income in Minimum Subsistence	Estimated Population Share (%)
Provincial ruling class	136.68	0.28
Non-ruling Nobles	7.42	1.72
Special Category 3	4.00	0.4
Special Category 2	3.00	0.6
Special Category 1	2.00	1.0
Commoners Level 3	1.00	43.6
Commoners Level 2	0.85	10.0
Commoners Level 1	0.80	39.4
Slaves	0.75	3.0

Supplementary Table 36. Tochtepec (province 26)

Income Social Group	Per-capita Income in Minimum Subsistence	Estimated Population Share (%)
Provincial ruling class	115.86	0.28
Non-ruling Nobles	6.29	1.72
Special Category 3	4.00	0.4
Special Category 2	3.00	0.6
Special Category 1	2.00	1.0
Commoners Level 3	1.00	43.6
Commoners Level 2	0.85	10.0
Commoners Level 1	0.80	39.4
Slaves	0.75	3.0

Supplementary Table 37. Xoconochco (province 27)

Income Social Group	Per-capita Income in Minimum Subsistence	Estimated Population Share (%)
Provincial ruling class	87.31	0.28
Non-ruling nobles	4.74	1.72
Special Category 3	4.00	0.4
Special Category 2	3.00	0.6
Special Category 1	2.00	1.0
Commoners Level 3	1.00	43.6
Commoners Level 2	0.85	10.0
Commoners Level 1	0.80	39.4
Slaves	0.75	3.0

Supplementary Table 38. Quauhtochco (province 28)

Income Social Group	Per-capita Income in Minimum Subsistence	Estimated Population Share (%)
Provincial ruling class	132.63	0.28
Non-ruling Nobles	7.20	1.72
Special Category 3	4.00	0.4
Special Category 2	3.00	0.6
Special Category 1	2.00	1.0
Commoners Level 3	1.00	43.6
Commoners Level 2	0.85	10.0
Commoners Level 1	0.80	39.4
Slaves	0.75	3.0

Supplementary Table 39. Cuertlaxtlan (province 29)

Income Social Group	Per-capita Income in Minimum Subsistence	Estimated Population Share (%)
Provincial ruling class	106.47	0.28
Non-ruling Nobles	5.78	1.72
Special Category 3	4.00	0.4
Special Category 2	3.00	0.6
Special Category 1	2.00	1.0
Commoners Level 3	1.00	43.6
Commoners Level 2	0.85	10.0
Commoners Level 1	0.80	39.4
Slaves	0.75	3.0

Supplementary Table 40. Tlapacoyan (province 30)

Income Social Group	Per-capita Income in Minimum Subsistence	Estimated Population Share (%)
Provincial ruling class	174.91	0.28
Non-ruling Nobles	9.49	1.72
Special Category 3	4.00	0.4
Special Category 2	3.00	0.6
Special Category 1	2.00	1.0
Commoners Level 3	1.00	43.6
Commoners Level 2	0.85	10.0
Commoners Level 1	0.80	39.4
Slaves	0.75	3.0

Supplementary Table 41. Tlatlahquitepec (province 31)

Income Social Group	Per-capita Income in Minimum Subsistence	Estimated Population Share (%)
Provincial ruling class	141.07	0.28
Non-ruling Nobles	7.65	1.72
Special Category 3	4.00	0.4
Special Category 2	3.00	0.6
Special Category 1	2.00	1.0
Commoners Level 3	1.00	43.6
Commoners Level 2	0.85	10.0
Commoners Level 1	0.80	39.4
Slaves	0.75	3.0

Supplementary Table 42. Tochpan (province 32)

Income Social Group	Per-capita Income in Minimum Subsistence	Estimated Population Share (%)
Provincial ruling class	96.08	0.28
Non-ruling Nobles	5.21	1.72
Special Category 3	4.00	0.4
Special Category 2	3.00	0.6
Special Category 1	2.00	1.0
Commoners Level 3	1.00	43.6
Commoners Level 2	0.85	10.0
Commoners Level 1	0.80	39.4
Slaves	0.75	3.0

Supplementary Table 43. Atlan (province 33)

Income Social Group	Per-capita Income in Minimum Subsistence	Estimated Population Share (%)
Provincial ruling class	163.87	0.28
Non-ruling Nobles	8.89	1.72
Special Category 3	4.00	0.4
Special Category 2	3.00	0.6
Special Category 1	2.00	1.0
Commoners Level 3	1.00	43.6
Commoners Level 2	0.85	10.0
Commoners Level 1	0.80	39.4
Slaves	0.75	3.0

Supplementary Table 44. Tziuhcoac (province 34)

Income Social Group	Per-capita Income in Minimum Subsistence	Estimated Population Share (%)
Provincial ruling class	152.89	0.28
Non-ruling Nobles	8.30	1.72
Special Category 3	4.00	0.4
Special Category 2	3.00	0.6
Special Category 1	2.00	1.0
Commoners Level 3	1.00	43.6
Commoners Level 2	0.85	10.0
Commoners Level 1	0.80	39.4
Slaves	0.75	3.0

Supplementary Table 45. Oxitipan (province 35)

Income Social Group	Per-capita Income in Minimum Subsistence	Estimated Population Share (%)
Provincial ruling class	111.59	0.28
Non-ruling Nobles	6.06	1.72
Special Category 3	4.00	0.4
Special Category 2	3.00	0.6
Special Category 1	2.00	1.0
Commoners Level 3	1.00	43.6
Commoners Level 2	0.85	10.0
Commoners Level 1	0.80	39.4
Slaves	0.75	3.0

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