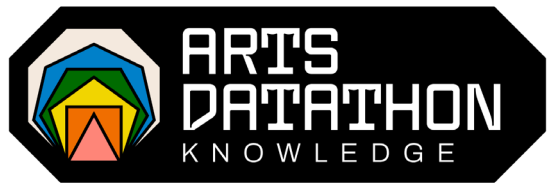


HOW WE BUILD KNOWLEDGE IN ARTS AND CULTURE

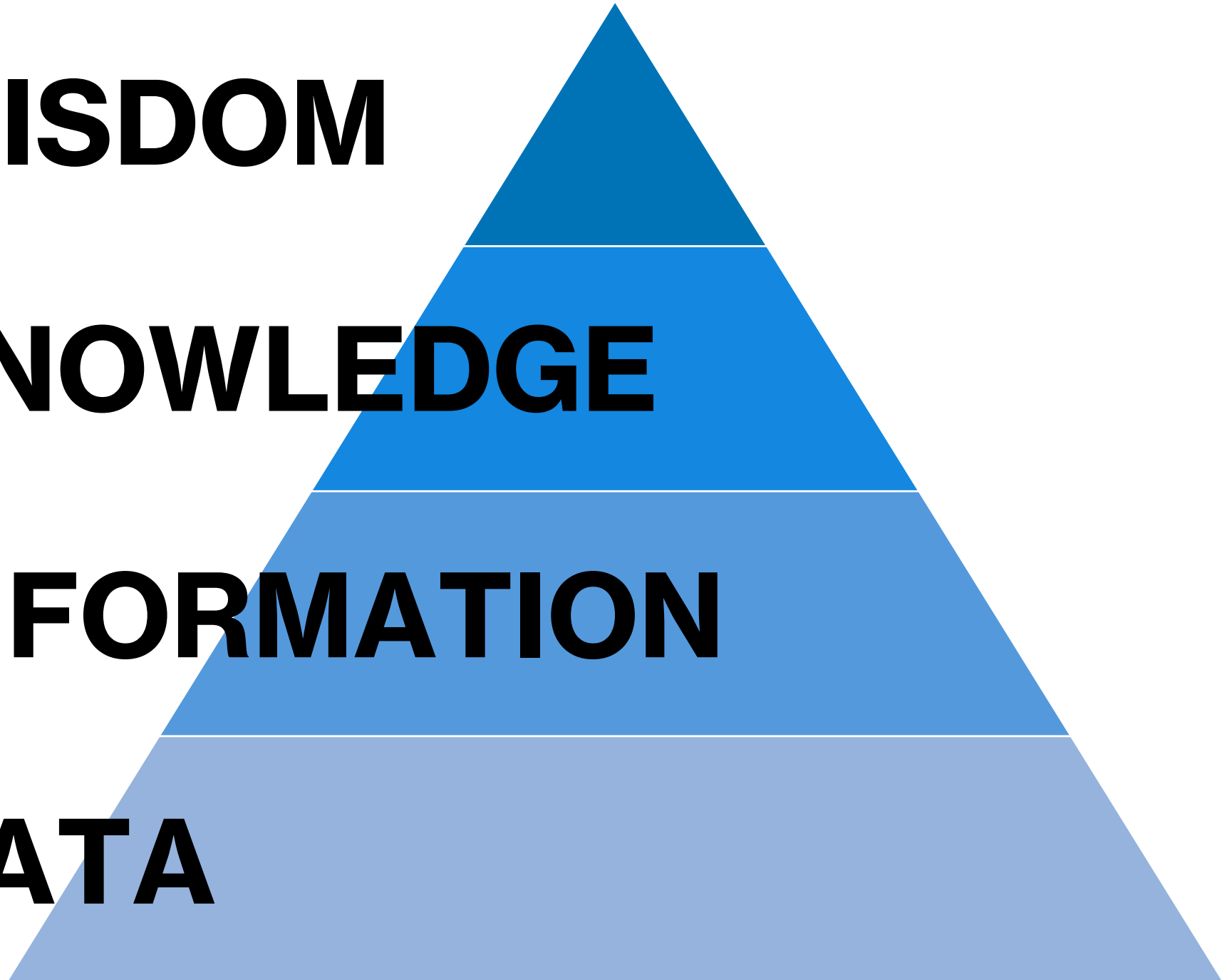


WISDOM

KNOWLEDGE

INFORMATION

DATA



\$6.888

per person

total local, state, and federal government appropriations
for the arts combined, 2023

2023

average 2010-2025

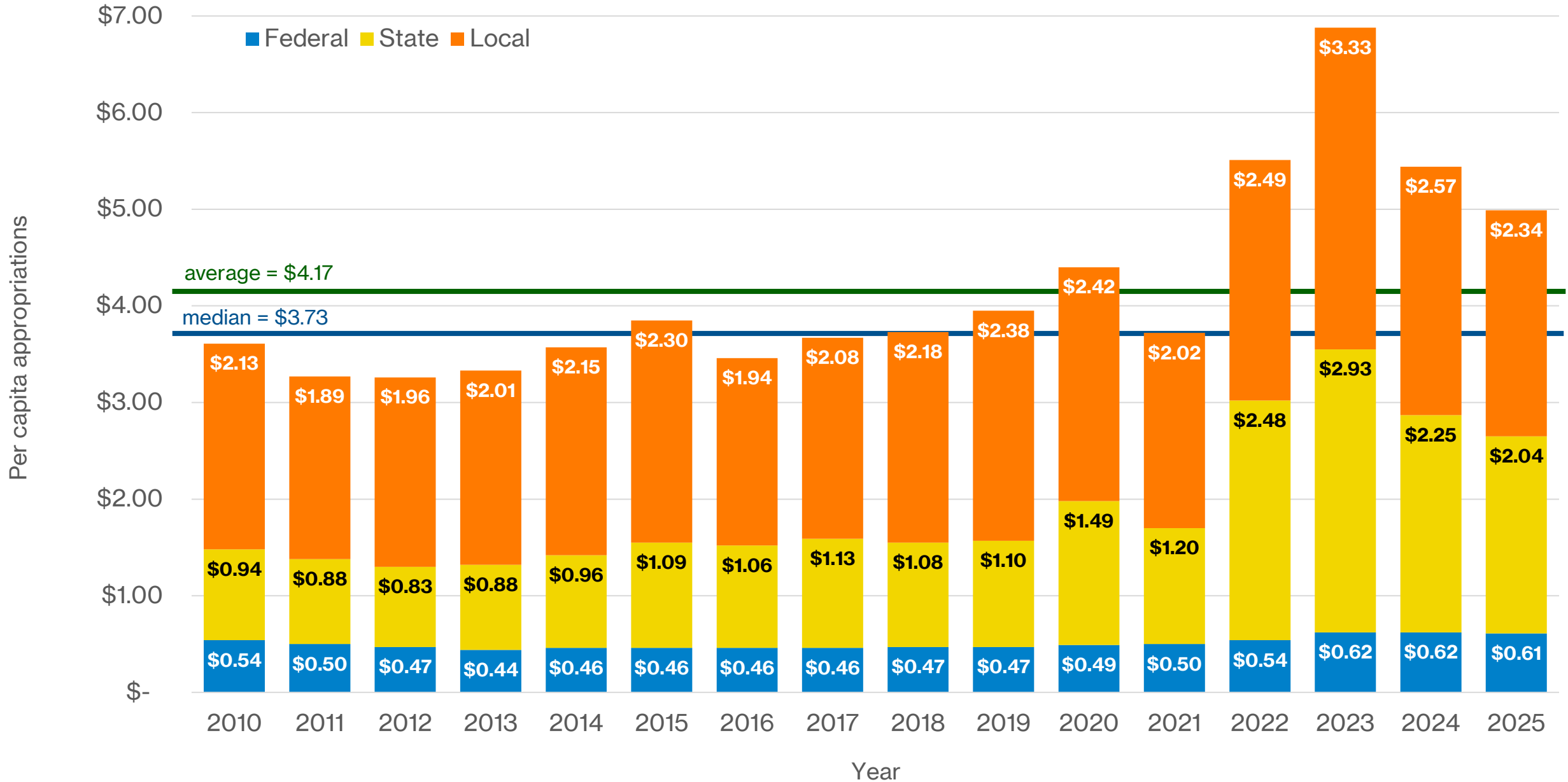
\$6.88

\$4.17

per person

total local, state, and federal government appropriations
for the arts combined

US: per capita government appropriations for the arts



Source

Public Funding for the Arts 2025

by Mohja Rhoads and Nakyoung Rhee

National Assembly of State Arts Agencies (NASAA)

published by Grantmakers in the Arts in 2026

Data definitions

Local Arts Agencies (LAAs) funds allocated by local, state, and federal resources (2024 and 2025 are estimates)

State Arts Agencies (SAAs) funds allocated by respective states and jurisdictions and the federal government

National Endowment for the Arts (NEA) funds allocated by Congress



make better decisions

take action and learn

**combine, compare,
contextualize**

gather data

philosopher Edmund Husserl

**knowledge is
intersubjective**

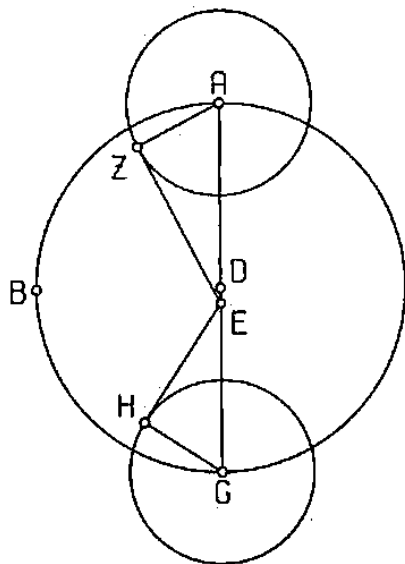


Fig. 10.1

Therefore where $GH (= AZ)$, the radius of the epicycle, is $84;33^p$, and $AE = 120^p$,

$$EG = 115;1^p,$$

and obviously, by addition, $AG = 235;1^p$

$$\text{and its half, } AD = 117;30^p,$$

and, by subtraction, the distance between the centres, $DE = 2;29^p$.

Therefore where the radius of the eccentric, $AD = 60^p$,

the distance between the centres, $DE = 1^p$,

and the radius of the epicycle, $AZ = 43^p$.

3. {On the ratios of the eccentricities of the planet [Venus]}

But since it is not clear whether the uniform motion of the epicycle takes place about point D, here too we took two greatest elongations, in opposite directions [i.e. one as evening-star and the other as morning-star], in each of which¹¹ the mean motion of the sun was a quadrant from the apogee.

[1] We observed the first in the eighteenth year of Hadrian, Pharmouthi [VIII] 2/3 in the Egyptian calendar [134 Feb. 17/18]. In this Venus was at

¹¹ Reading $\epsilon\pi$ $\epsilon\kappa\alpha\tau\epsilon\pi\alpha\varsigma$ (with CDG.1s) at H303.2 for $\epsilon\pi$ $\epsilon\kappa\alpha\tau\epsilon\pi\alpha$ ('in both directions'). Corrected by Manitius.

greatest elongation from the sun as morning-star, and when it was sighted with respect to the star called Antares [catalogue XXIX 8], its longitude was \wp $11^{\frac{1}{2}}^{\circ}$, at which time the longitude of the mean sun was $\approx 25^{\circ}$. So the greatest elongation from the mean as morning-star was $43^{\frac{1}{2}}^{\circ}$.

[2] We observed the second in the third year of Antoninus, Pharmouthi [VIII] 4/5 in the Egyptian calendar [140 Feb. 18/19], in the evening. In this Venus was at its greatest elongation from the sun, and when it was sighted with respect to the bright star in the Hyades [catalogue XXIII 14], its longitude was \wp $13^{\frac{1}{2}}^{\circ}$, while the longitude of the mean sun was again $\approx 25^{\circ}$. Hence in this case the greatest elongation from the mean as evening-star was $48^{\frac{1}{2}}^{\circ}$.

With the above as data, let [Fig. 10.2] the diameter through the apogee and perigee of the eccentric be ABG ; let A represent the point at \wp 25° , and let B represent the centre of the ecliptic. Let our task be to find the centre about which we say that the uniform motion of the epicycle takes place. Let that

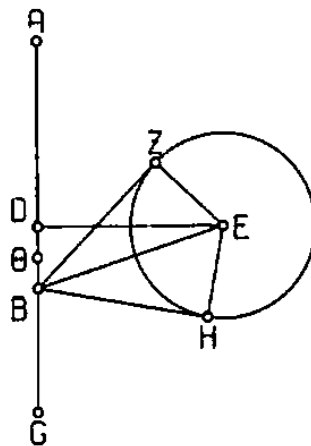


Fig. 10.2

centre be point D, and draw DE through D perpendicular to AG, in order for the mean position of the epicycle to be a quadrant from the apogee, as in the observations. On DE take E to represent the centre of the epicycle at the observations in question, draw the epicycle ZH on it as centre, draw the tangents to it from B, BZ and BH, and join BE, EZ and EH.

Then since, at the mean position in question, the greatest elongation from the mean as morning-star is, by hypothesis, $43^{\frac{1}{2}}^{\circ}$, and the greatest as evening-star $48^{\frac{1}{2}}^{\circ}$,

by addition, $\angle ZBH = 91;55^{\circ}$ where 4 right angles = 360° .

Therefore its half, $\angle ZBE = 91;55^{\circ}$ where 2 right angles = 360° .

Therefore in the circle about right-angled triangle BEZ

$$\text{arc } EZ = 91;55^{\circ}$$

$$\text{and } EZ = 86;16^p \text{ where hypotenuse } BE = 120^p.$$

Claudius Ptolemy

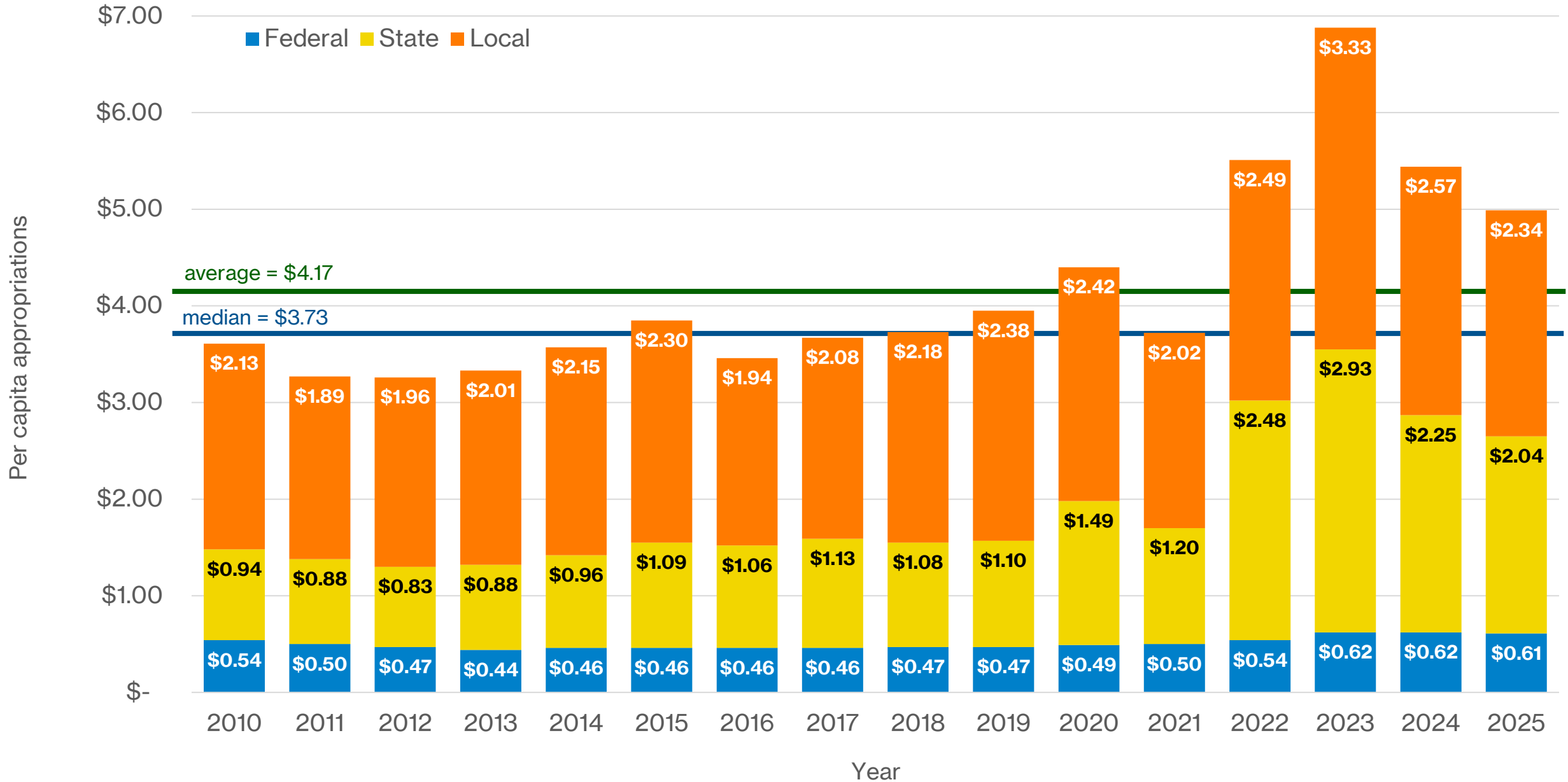
The Almagest

translated by G.J. Toomer, 1984

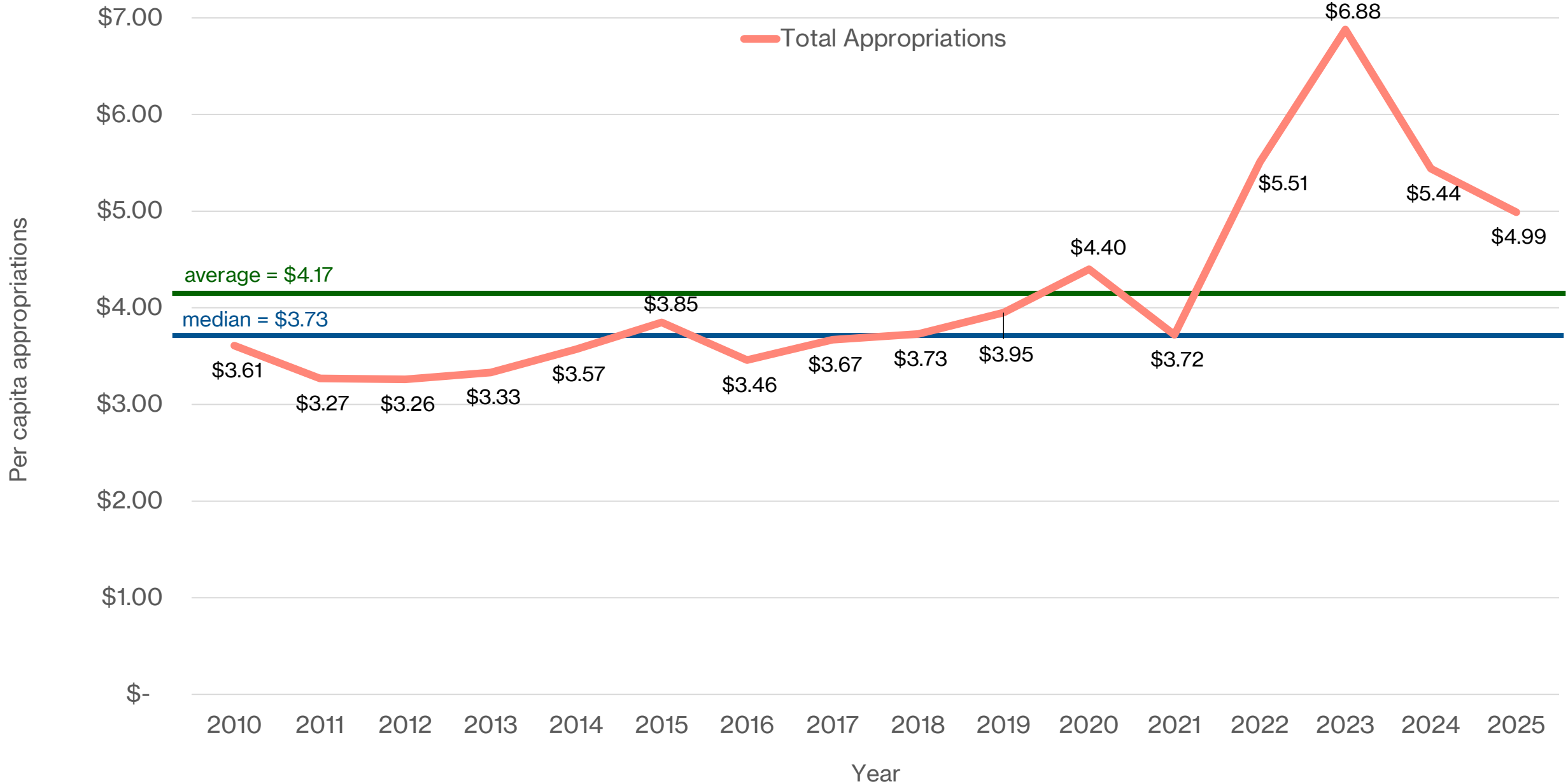
truth

humanity

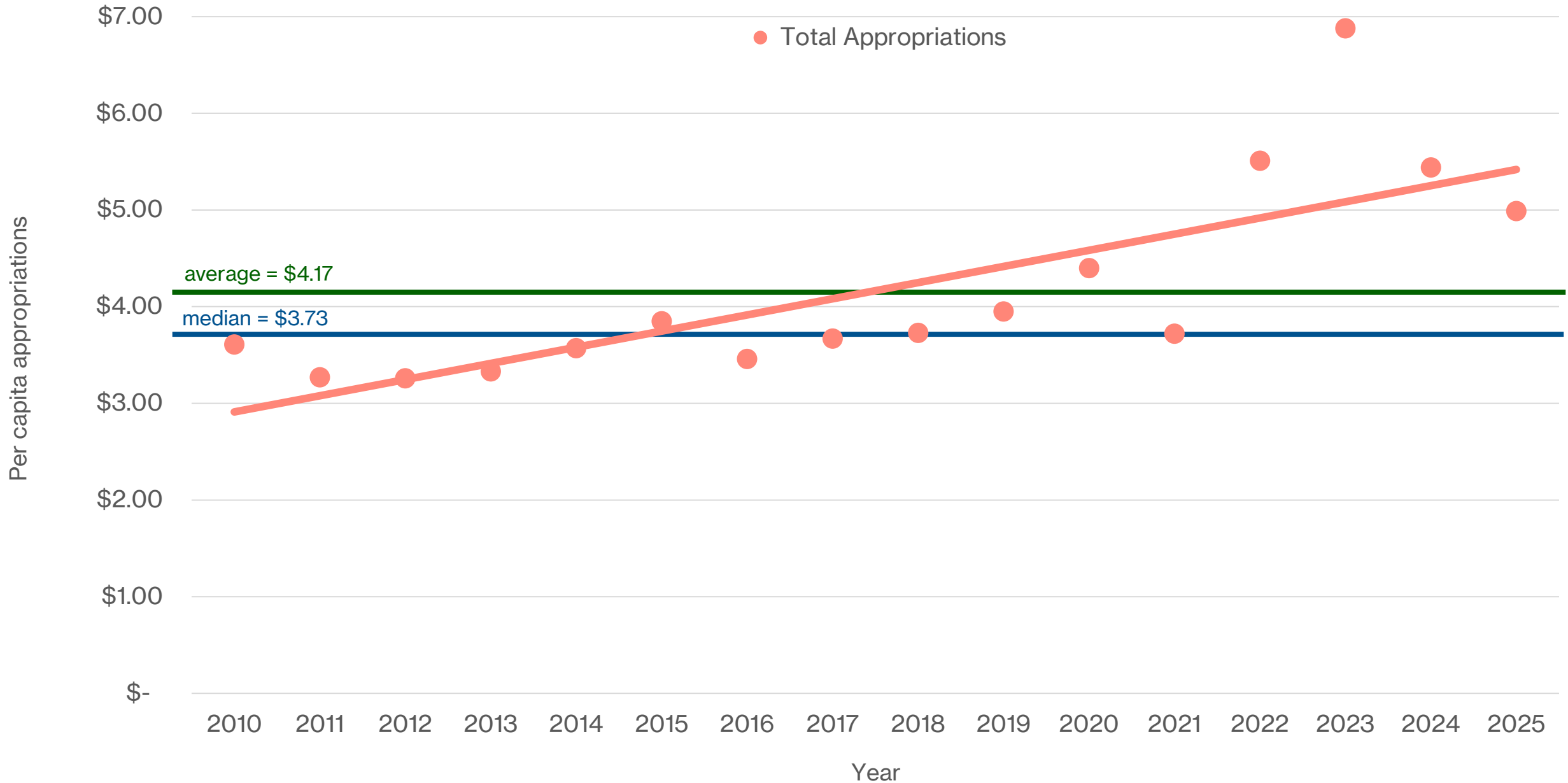
US: per capita government appropriations for the arts



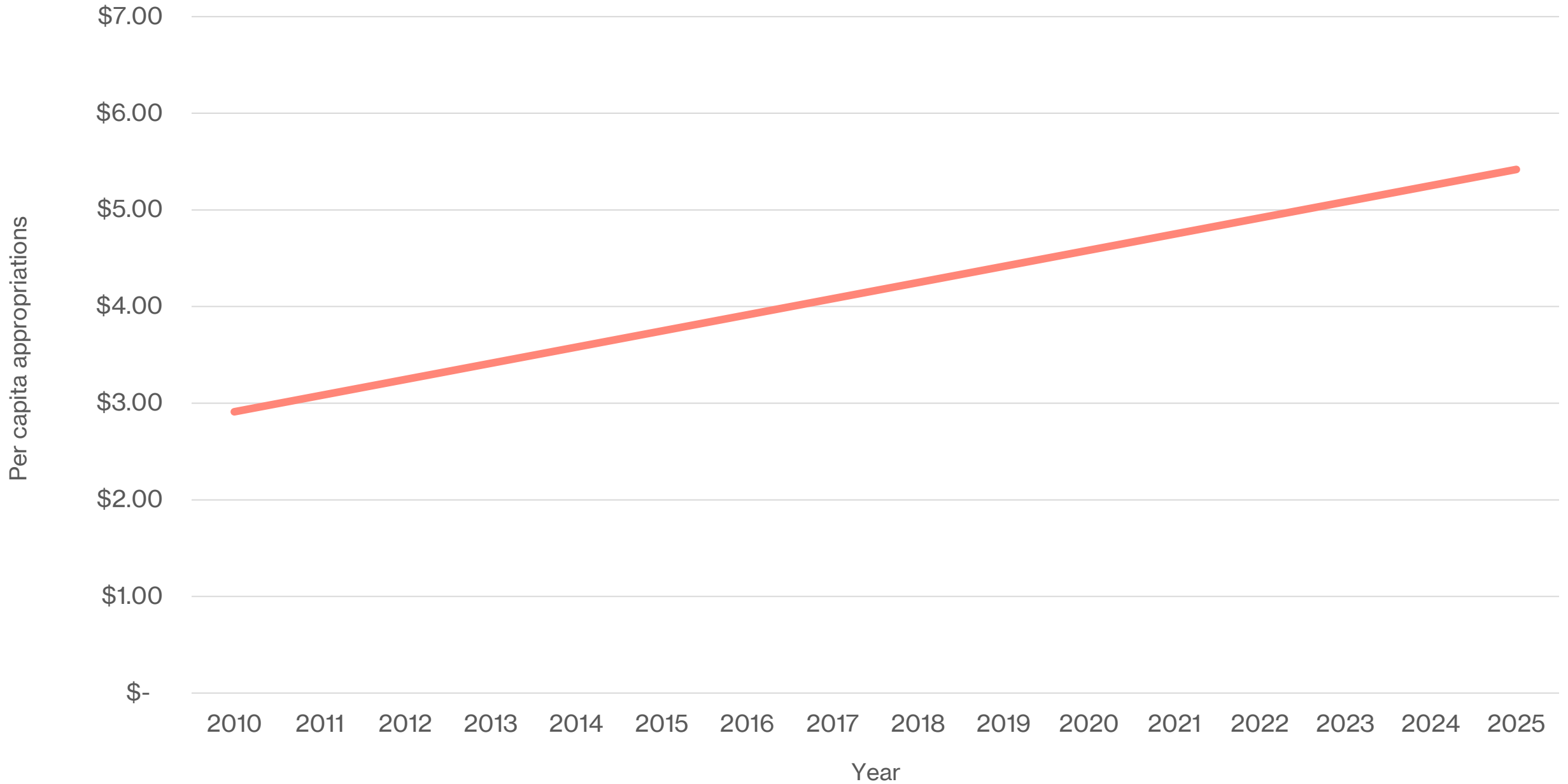
US: per capita government appropriations for the arts



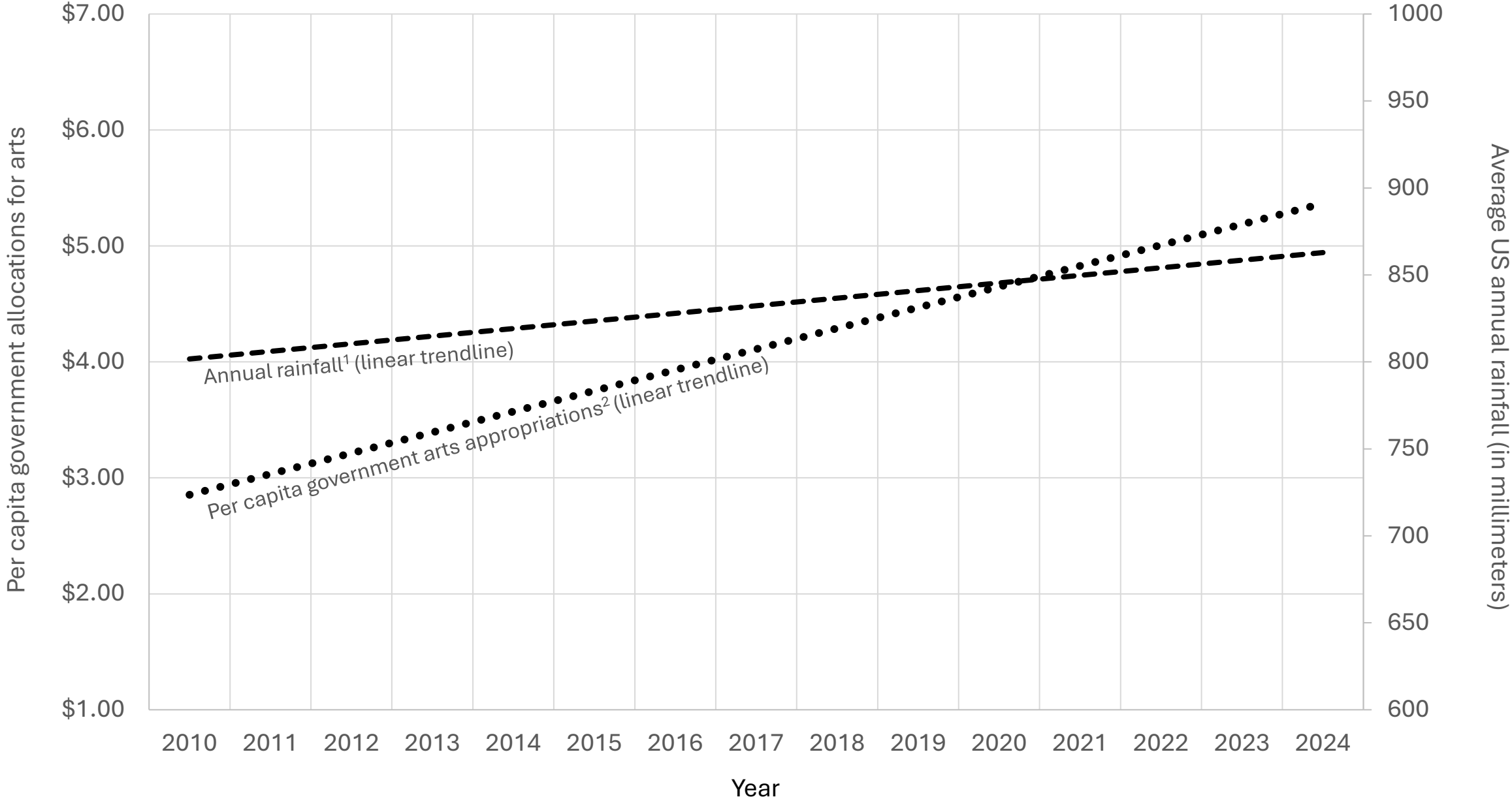
US: per capita government appropriations for the arts



US: per capita government appropriations for the arts



TELLING A LIE WITH TRUE DATA AND INFO-AESTHETICS



"As long as it remains what it is, the practice of **living within the truth** cannot fail to be a threat to the system. It is quite impossible to imagine it continuing to co-exist with the practice of living within a lie without dramatic tension."

Václav Havel

The Power of the Powerless



ARTS
DATAATHON
KNOWLEDGE