# MUSEUMS IN DC BEHIND THE SCENES OF SMITHSONIAN INSTITUTION

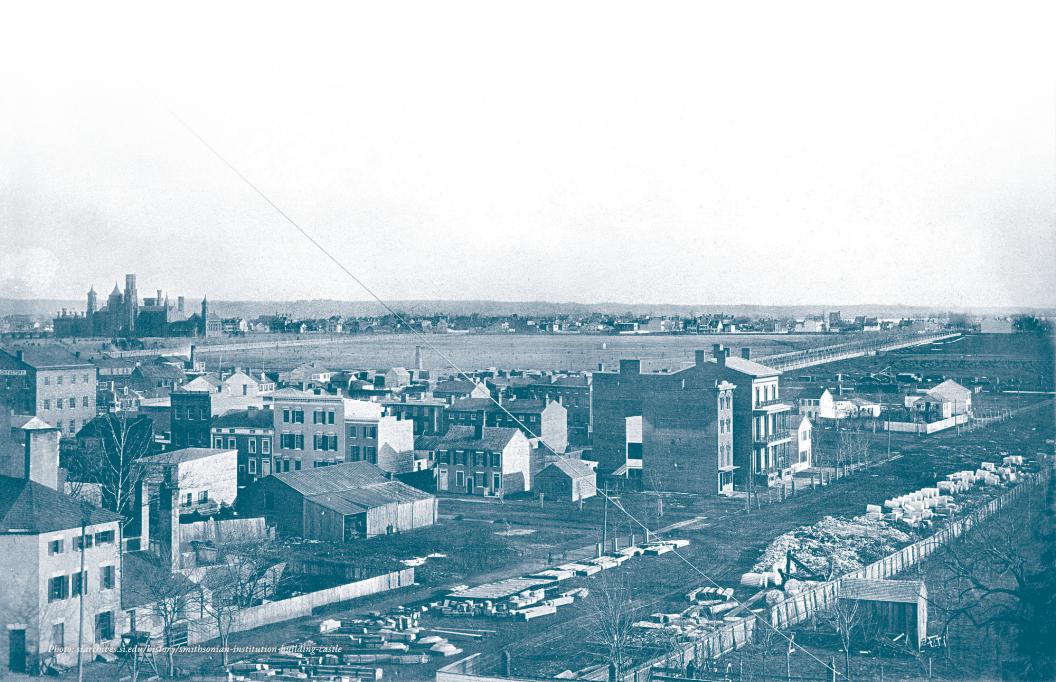
KIRSTEN KEISTER OCTOBER 2017

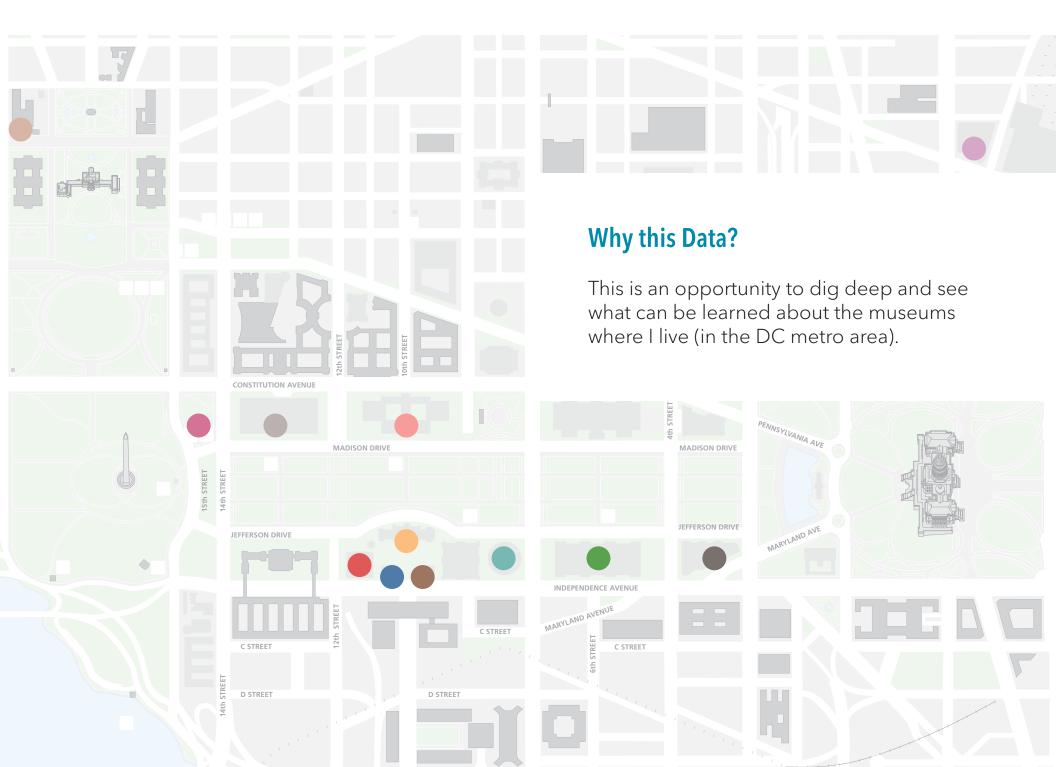


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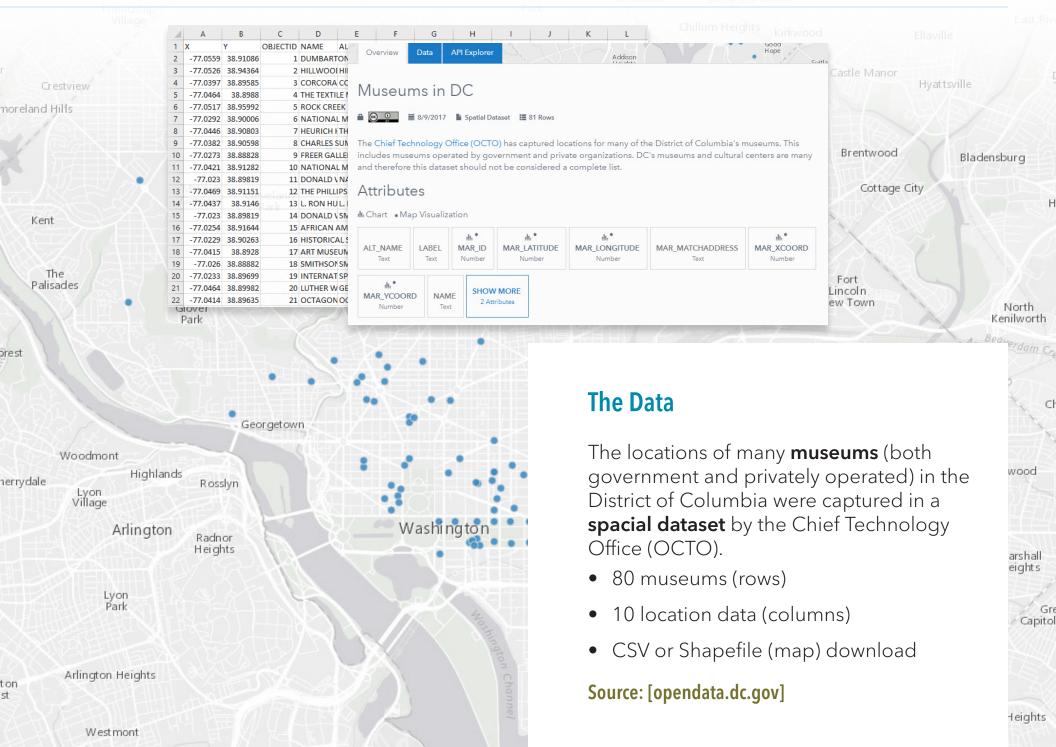
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## BACKGROUND





SMITHSONIAN INSTITUTION MUSEUMS IN DC



Barcroft

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1	OBJECTI	D NAME		ALT_NAME	LABEL	MAR_MATCHADDRESS	MAR_LONGITU	MAR_LATITUD	Date Open C	bjects	Annual Budget	Employees	Sq Ft	2016 Vists	2015 Visits	2014 Visits
2		7 ANACOSTIA COMMUNITY MUSEUM			Anacostia Community Museum	1901 FORT PLACE SE	-76.9767824	38.85657522	1967					28,000	30,000	42,00
3	1	4 ARTHUR M. SACKLER GALLERY			Arthur M. Sackler Gallery	1050 INDEPENDENCE A	-77.02644398	38.88795359	1987	25,000			40,905	213,000	150,000	182,00
4		8 ARTS AND INDUSTRIES BUILDING			Arts and Industries Building	900 Jefferson Dr SW	-77.024494	38.88815	1881					64,000	0	
5	1	5 FREER GALLERY OF ART			Freer Gallery of Art		-77.027348	38.888268	1923	000,د	17,500,000	100	-,039	10,000	389,000	371,00
6		9 HIRSHHORN MUSEUM AND SCULPTU	IRE GARDEN		Hirshhorn Museum and Sculpture Garden		-77.022961	38.888407	1974	12,000	10,940,000	44	197,000	659,000	681,000	552,0(
7		3 NATIONAL AIR AND SPACE MUS									000,	219	161,145	7,500,000	6,900,000	6,700,00
8	1	8 NATIONAL MUSUEM OF AFRICA	Totals for 2	017 (thro	ugh end of August)								85000	733,000	0	
9		2 NATIONAL MUSEUM OF AFRICA		(							0,000		22,000	206,000	213,000	203,00
10		5 NATIONAL MUSEUM OF AMERIC	Donald W D	ovnolde Co	nter for American Art and Portrai	turo					0,000	237	300,000	3,800,000	4,100,000	4,000,00
11		0 NATIONAL MUSEUM OF NATUR		eynolds Center for American Art and Portraiture					880,000		0,000		325,000	7,100,000	6,900,000	7,300,00
12		6 NATIONAL MUSEUM OF THE AM	(Smithsonian	n American	Art Museum and The National Po	ortrait Gallery	)			0,000		250,000	1,100,000	1,200,000	1,300,00	
13		1 DONALD W. REYNOLDS CENTER									0,000		152,500	1,200,000	1,300,000	1,100,00
14		6 NATIONAL POSTAL MUSEUM	National Mus	seum of Afr	ican American History and Cultur	e				1 7M	0,000	32	35,000	398,000	357,000	401,00
15		7 NATIONAL ZOOLOGICAL PARK			/ /										00	2,500,00
16		1 RENWICK GALLERY	National Mus													
17		2 S. DILLON RIPLEY CENTER	Hudonal Plas	cam or 741	ican / ic											146,00
18		A MATCHIONIAN INSTITUTION - C	National Air a	and Space	Museum	Creating the Dataset								1,200,00		
		National Air and Space Museum's Steven F. Udvar-Hazy										_				
		National Museum of American HistorySearching for more data to add toIed to the Newsroom of the Smith														
		Director: Kirk Johnson Total full-time employees: 523					which has <b>fact sheets</b> and <b>visitor stats</b> for its museums.									

Annual budget (federal and trust) FY 2016: \$117 million Approximate number of artifacts/specimens: 145 million (includes the arrival in 2016 of new specimens acquired from the U.S. Department of Agriculture's National Parasite Collection)

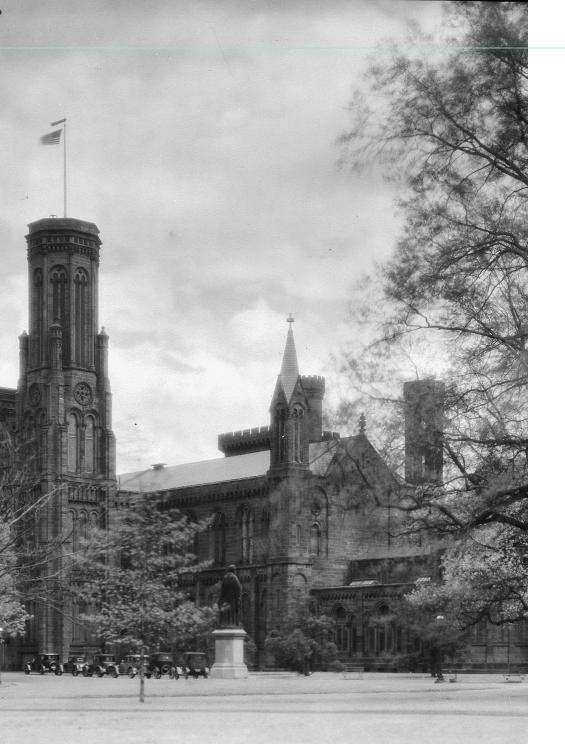
Total museum size: 1.32 million square feet Public space size: 325,000 square feet Visits (2015): 7 million

#### • Annual Budget

- Total Employees
- Exhibit Space (Sq Ft)
- Number of Artifacts

Sources: [newsdesk.si.edu/about/stats] [www.si.edu/dashboard]

Culled data to focus on **Smithsonian** museums in Washington, DC on or near the National Mall.



### **HISTORY**

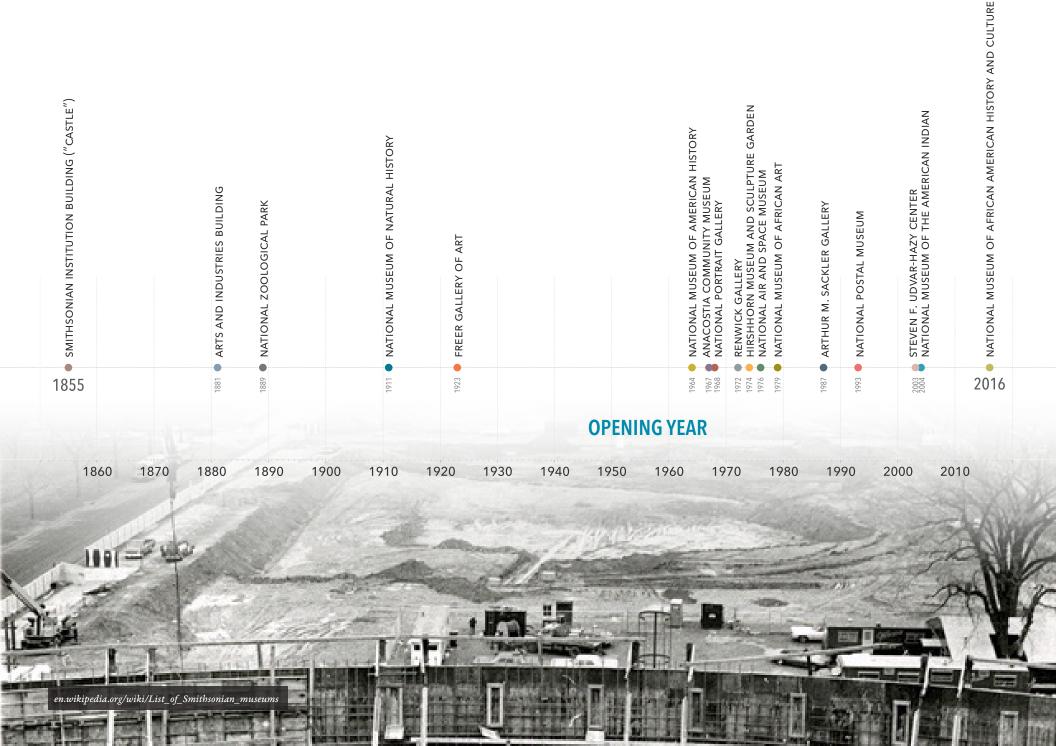
The Smithsonian consists of **nineteen** museums and the National Zoological Park, located in Washington, DC, Maryland, New York City, and Virginia.

The **Smithsonian Institution Building** aka "The Castle" opened in **1855** on the National Mall.

There are **6,500** Smithsonian employees and **6,300** volunteers.

There were **30 million visits** to the Smithsonian in 2016.

The total number of objects, works of art and specimens at the Smithsonian is estimated at nearly **154 million**, of which 145 million are scientific specimens at the **National Museum of Natural History**.



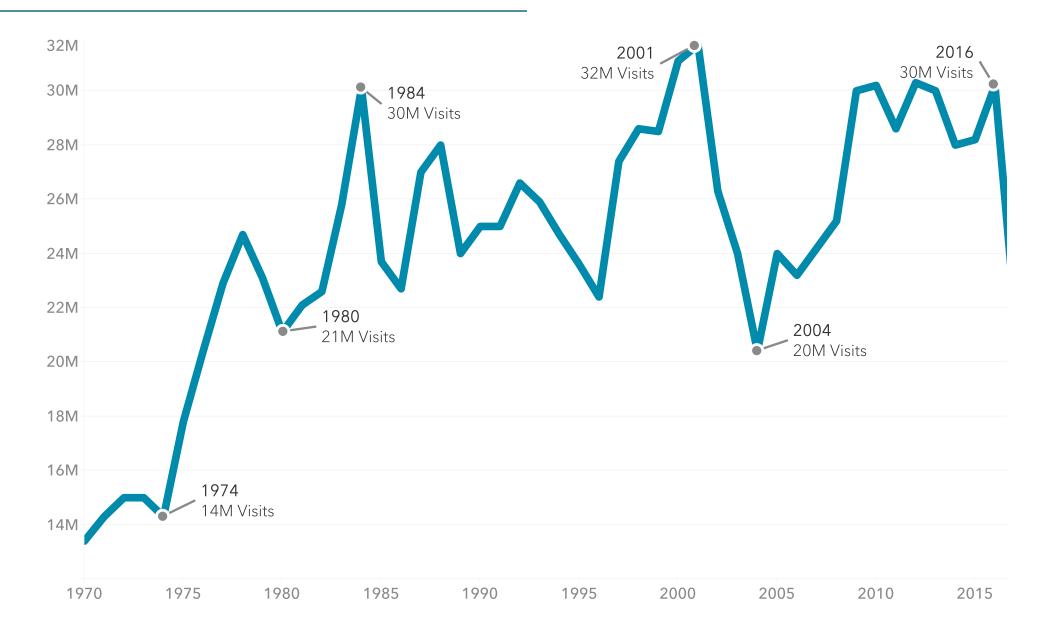
### **VISITS**

The Smithsonian Newsdesk and Dashboard publish data about the visits to thier museums.

#### **TOTAL VISITS PER YEAR**

1970 - 2016

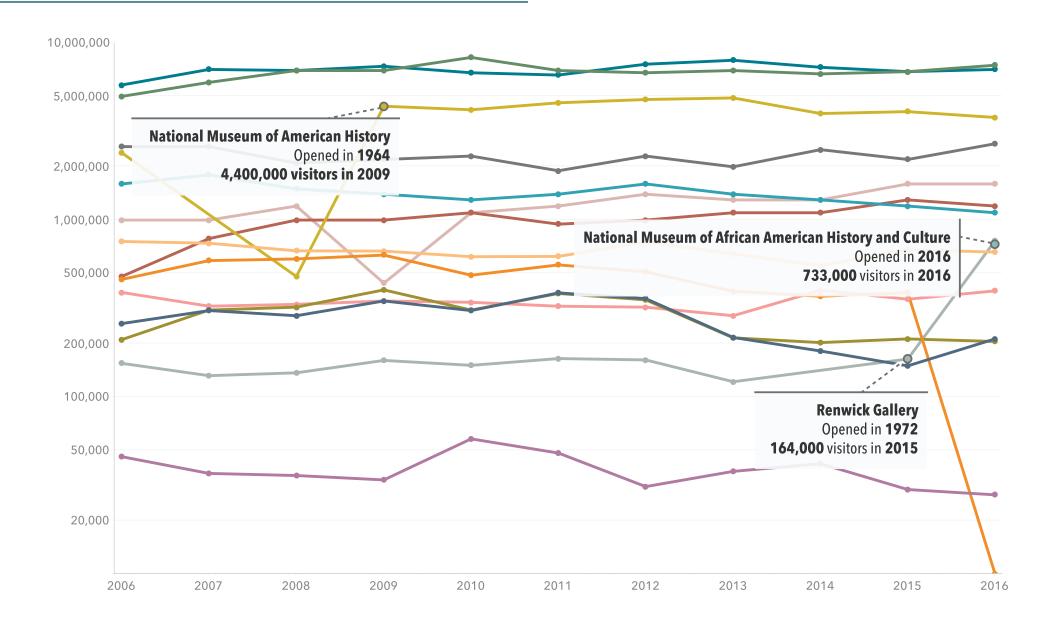
Records for visits date back to 1970.



Visitor stats **per museum** go back to 2001. This is a snapshot of the last 10 years.

#### **TOTAL VISITS PER MUSEUM**

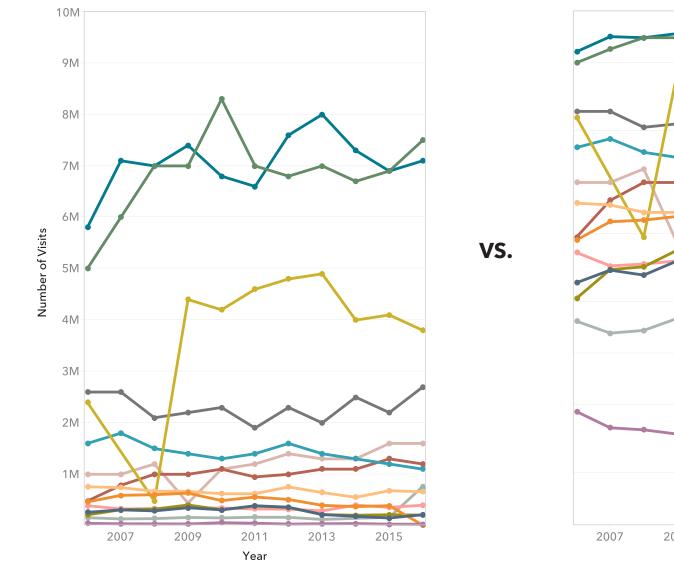
2006 - 2016

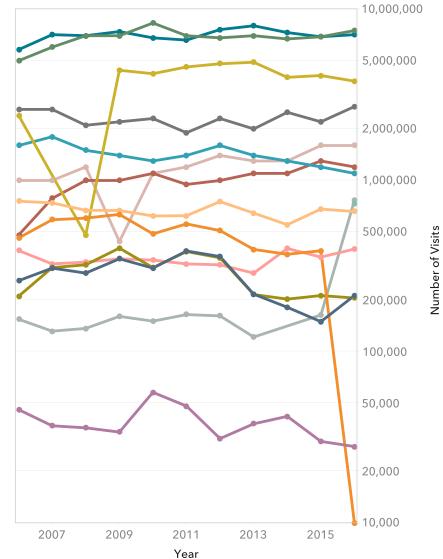


Using a **Logarithmic Scale** on the Y-axis means markers increase by a factor of 10 and gives a **clearer view** of all the data points and lines for all of the museums.

#### **VISITS PER MUSEUM OVER 10 YEARS**

2006 - 2016

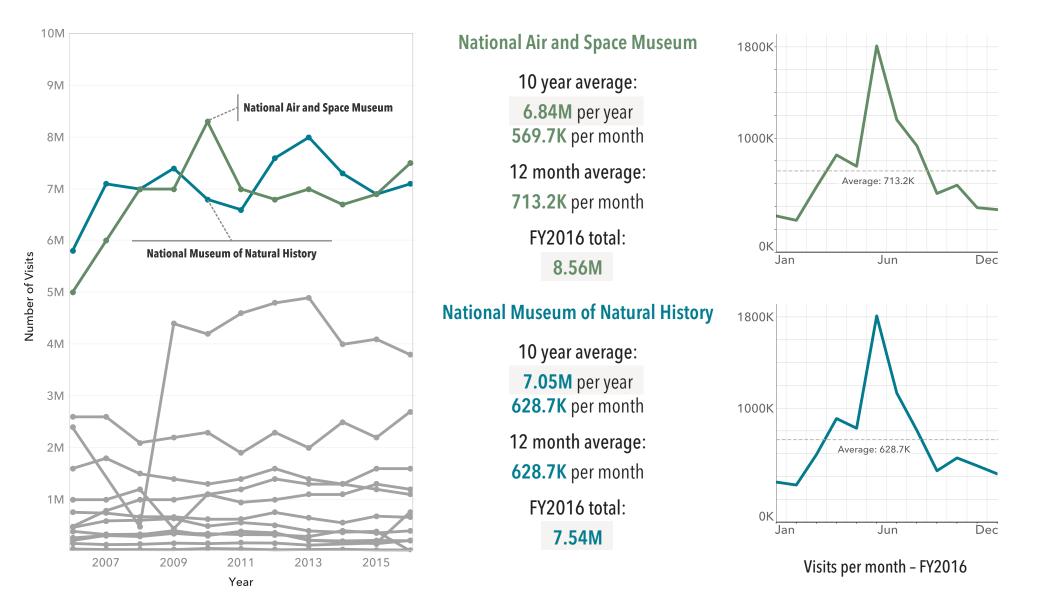




The National Museum of Natural History and the National Air and Space Museum have, by far, the highest number of visits overall. Switching back to a linear Y-axis helps highlight these two lines.

#### **AVERAGE VISITS**

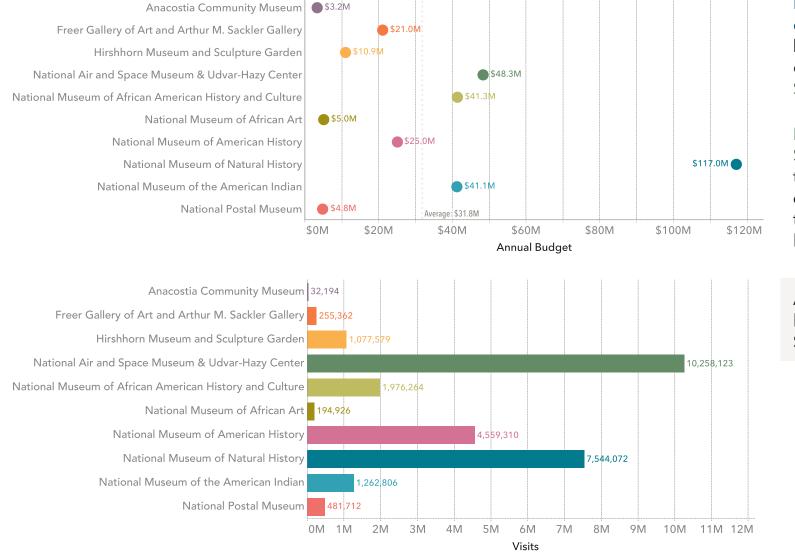
Looking at visits for the past 10 years and monthly visits for fiscal year 2016.



Some interesting trends appear when comparing the **annual budget** and **number of visitors** over the past year for some of the Smithsonian museums.

#### **COMPARISONS**

Fiscal Year 2016 (June 2016 - June 2017)



National Museum of Natural History **budget is over 2x** that of the National Air and Space Museum.

National Air and Space Museum has the **highest number** of visitors, but only the second highest budget.

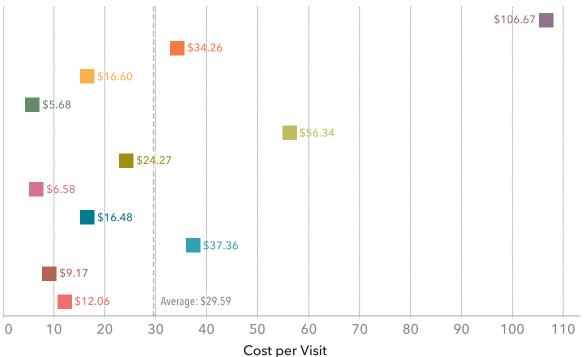
Average annual budget is **\$31.8M**.

The cost per visitor can be calculated using the total number of visitors per year divided by the annual budget.

Anacostia Community Museum Freer Gallery of Art and Arthur M. Sackler Gallery Hirshhorn Museum and Sculpture Garden National Air and Space Museum & Udvar-Hazy Center National Museum of African American History and Culture National Museum of African Art National Museum of American History National Museum of Natural History National Museum of the American Indian National Portrait Gallery National Postal Museum

#### CALCULATIONS

Fiscal Year 2016 (June 2016 - June 2017)



Average cost per visit is **\$29.59**. National Air and Space Museum also has the **lowest average cost per visitor** and Anacostia Community Museum has the highest. The newly opened National Museum of African American History and Culture has the **second highest** average cost per visitor.

#### **CASE STUDY**

The cost per visit compared to the number of in person visits

National Air and Space Museum - 2016 Fiscal Year



### CONCLUSIONS

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Photo: siarchives.si.edu/history/smithsonian-<u>in</u>stitution-b

Visitor trends and statistics are fascinating, particularly for the Smithsonian museums because they are free.

I learned a lot, but there is a lot more to learn.

Challenging to gather the data into one place, and figure out what calculations and conclusions could be drawn.

Want to compare non-Smithsonian museums as part of a larger data set.