



LEVEL

2

Where Does Foreign Aid Go?

from the Esri Geolnquiries™ collection for Government

Target audience – Government learners

Time required – 20 minutes

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| Activity | Use an analysis tool to visualize the amounts and types of foreign aid distributed throughout the world. |
| Social Studies Standards | C3:D2.Civ.13.9-12. Evaluate public policies in terms of intended and unintended outcomes, and related consequences. C3:D2.Civ.6.9-12. Critique relationships among governments, civil societies, and economic markets. |
| Learning Outcomes | <ul style="list-style-type: none">• Students will use analysis tools to identify the recipients of various categories of foreign aid. |
| Level 2 Geolnquiry Requirements | <ul style="list-style-type: none">• A free school ArcGIS Online organization account. Instructors or students must be signed in to the account to complete this activity.• Approximately 0.135 credits will be used per person in the completion of this activity as scripted. |

Map URL: <http://esriurl.com/govGeoinquiry15>

Ask

Where are most countries located that do not receive foreign aid?

- Click the link above to launch the map.
- In the upper-right corner, click Sign In and use your ArcGIS online organization account to sign in.
- With the Details button underlined, click the button, Content.
- Turn off all layers.
- Turn on the three layers: No Foreign Aid, Foreign Aid Points, and Washington, D.C..
- ? Which countries with large land areas did not receive any foreign aid from the U.S.? [*Canada, Russia, Iran, and Australia*]
- ? Why might that be the case? [*Countries are economically developed or otherwise not in good standing.*]

Acquire

How can you use tools to visualize connections and patterns?

- See the Connect to Destinations ToolTip on page 2.
- Click the button, Analysis. Expand the group Use Proximity and choose Connect Origins To Destinations.
- In the Connect Origins To Destination tool, set the following parameters.
 - 1 Set to: Washington, D.C.
 - 2 Set to: Foreign Aid Points
 - 4 For the layer name, add **<your initials>** to the end of it.Uncheck Use Current Map Extent so that you will include all countries receiving aid.
Always click Show Credits to ensure acceptable credit usage.
Click Run Analysis.

Explore

How is distance shown?

- Turn off the layer, Foreign Aid Points.
- ? What do you see? [*Connections from Washington, D.C., to every country receiving aid*]
- ? Why are the lines curved? [*To account for the curvature of the earth*]
- See the Symbolize a Layer ToolTip on page 2.
- For the new layer, update the symbology showing field: Foreign Aid pts: Democracy, Human Rights, and Governance.

more 



Analyze

How does the type of aid to countries differ?

- ? How did the lines change? [*Width of the link corresponds to the amount of aid*]
- ? Which country received the most aid for democratic rights? [*Afghanistan*]
- Click the line.
- ? What is the distance from Washington, D.C.? [*6,896 miles*]
- Change the layer's style using the field: Foreign Aid pts: Health
- ? Where are most countries located that are receiving aid for health? [*In Africa*]
- ? What could account for this pattern? [*Preventing the spread of contagious diseases, such as Ebola and malaria.*]



Act

Is distance a factor in the type of aid offered?

- Change the layer's style using field: Foreign Aid pts: Environment
- ? Where are most countries located that are receiving aid for the environment? [*Southeast Asia*]
- ? How far away from Washington, D.C., is the country with the most environmental aid? [*Vietnam, ~8,900 miles*]
- ? What factors do you think influence the categories of aid? [*Needs of the country; protection of U.S. interests*]

SYMBOLIZE A LAYER

- With the Details button underlined, click the button, Show Contents of Map (Content).
- Hover over a layer name.
- Click the button, Change Style.
- Choose an attribute to map.
- Click Done.

CONNECT TO DESTINATIONS

- Connect Origins to Destinations measures the travel time or distance between pairs of points. The tool can report straight-line distances, road distances, or travel times.
- You provide starting and ending points, and the tool returns a layer containing route lines, including measurements, between the paired origins and destinations.

Next Steps

Continue using an ArcGIS Online organizational account (www.esri.com/schools) to dig deeper into data using the analysis tools, and save your maps to your account.

THEN TRY THIS...

- Use the Web AppBuilder for ArcGIS to create an app with filters and charts showing types of foreign aid and major recipients.
- Create a Story Map Journal to showcase how foreign aid benefits both the recipients and the United States.



TEXT REFERENCES

This GIS map has been cross-referenced to material in sections of chapters from these high school texts.

- *Civics and Economics by Holt* — Chapter 23
- *Magruder's American Government by Pearson* — Chapter 6
- *Government Alive! Power, Politics, and You by Teachers' Curriculum Institute* — Chapter 17