

Helpful Web Resources for Geographic Information Science (GIS)

Where to Start:

What is GIS? : www.gis.com

Advice, lookups, and tutorials: <http://www.csiss.org/GISPopSci/resources/cookbook/>

Environmental Systems Research Institute, Inc. (ESRI) : www.esri.com

Google Earth: <http://earth.google.com>

Microsoft Virtual Earth: <http://maps.live.com>

NASA's World Wind: <http://worldwind.arc.nasa.gov/>

Software:

ArcGIS (Largest commercial provider): <http://www.esri.com/software/arcgis/index.html>

MapInfo (An alternative commercial GIS software package): <http://www.mapinfo.com/>

Manifold (A simple, low cost commercial package): <http://www.manifold.net/>

QGIS (A free, open source package): <http://www.qgis.org/>

GeoDa (A free, geostatistical package): <https://www.geoda.uiuc.edu/>

Other Helpful Tools and Links:

ColorBrewer – <http://www.colorbrewer.org>

National Park Service ArcGIS Extensions: <http://www.nps.gov/gis/outreach/arcgis9.html>

Geographic look-ups:

http://www.getty.edu/research/conducting_research/vocabularies/tgn/

Spatial scales, resolutions, conventions, etc:

http://www.geog.ubc.ca/~brian/rules_of_thumb/index.html

Cartography tips:

<http://www.geog.ubc.ca/courses/geog470/notes/cartography/cartography.pdf>

Geographic measurement converter: <http://www.beg.utexas.edu/GIS/tools/index.html>

Map Projections:

<http://erg.usgs.gov/isb/pubs/MapProjections/projections.html>

DATA ACCESS & DOWNLOADS

General:

ESRI data collections: <http://www.esri.com/data/index.html>

HRSA Geospatial Warehouse: <http://datawarehouse.hrsa.gov/>

Lehman College GISc Program: <http://www.lehman.cuny.edu/deannss/geography/>

US Census Data:

<http://factfinder.census.gov>

http://factfinder.census.gov/home/en/epss/census_geography.html

Census continued:

<http://www.census.gov/Press-Release/www/2001/sumfile1.html>

http://www.census.gov/Press-Release/www/releases/archives/census_2000/000548.html

http://www.census.gov/geo/www/tiger/tigerua/ua_tgr2k.html

<http://sedac.ciesin.columbia.edu/usgrid/>

<http://www.nhgis.org>

<http://www.censusscope.org>

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<http://mumford.albany.edu/census>
<http://www.sociaexplorer.com>
<http://mcdc2.missouri.edu/websas/geocorr2k.html>
<http://libraries.mit.edu/guides/types/census/>

NY City Data resources:

NYC CityMap: <http://www.nyc.gov/citymap>
NYC gov portal: <http://home2.nyc.gov/html/dcp/html/bytes/applbyte.shtml>
Base map: http://www.nyc.gov/html/doitt/html/eservices/eservices_gis.shtml
Census data (spatial): <http://www.nyc.gov/html/dcp/html/census/census.shtml>
Census tract-level data (non-spatial) : <http://www.infoshare.org/>
GIS data: <http://gis.nyc.gov/dcp/pa/address.jsp>
US metro area grids: <http://sedac.ciesin.columbia.edu/usgrid>
Community Maps: <http://www.oasisnyc.net/>

NY/NJ State Resources:

New York State GIS Cleaninghouse: <http://www.nysgis.state.ny.us/>
New York State GIS Help Desk: <http://www.gishost.com/gishelpdesk/>
NJ State GIS Data: <http://www.state.nj.us/health/chs/gis.htm>
Long Island GIS: <http://www.healthgis-li.com/>
Cornell's NY State Spatial Data Repository: <http://cugir.mannlib.cornell.edu/>
New York Health data: <http://www.health.state.ny.us/statistics/sparcs/>

A few global data resources:

Global Population Data: <http://sedac.ciesin.columbia.edu/gpw>
Global poverty and mortality data: <http://www.ciesin.columbia.edu/povmap>
Demographic Health Surveys <http://macroint.mapsherpa.com/statmapper/>
UN Environment Programme's Geospatial Data Portal: <http://geodata.grid.unep.ch>

User Groups

GISMO User Group: <http://www.geography.hunter.cuny.edu/gismo>
NEARC User Group: <http://northeastarc.org/>

GITA: <http://www.gita.org>
URISA: <http://www.urisa.org>
ASRPS: <http://www.asprs.org>
ACSM: <http://www.acsm.org>