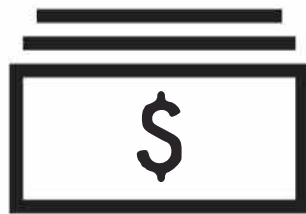# MAGIP

Montana Association of Geographic Information Professionals

# 2018 Salary Survey Results

Survey Authors - Jeff Hedstrom, Jenny Connelley, and the MAGIP Professional Development Committee

# 2018 MAGIP Salary Survey

**Introduction**
This survey was a collaborative effort between the MAGIP Professional Development Committee, Operations & Business Committee and the Board of Directors.  It was designed for GIS professionals, educators and trainers within Montana.

**Survey Design**
The survey was created and analyzed using SurveyMonkey. It consisted 27 questions and was estimated to take between 5-8 minutes to complete. The survey was distributed through the MAGIP email list-serve, with the intent that individuals would distribute it more widely.

The survey email was sent out on Wednesday, January 17, 2018 and was closed on Friday, February 23, 2018.  There were 148 participants.

The Survey Results are posted to the MAGIP website on the Professional Development Committee page: https://www.magip.org/ProfDev

To request the Individual Survey Responses or for additional information please send an email to MAGIP at: magip.mt@gmail.com

## Q1 Which of the following job positions most closely describes your employment situation? (A brief explanation of job descriptions can be found with this document: link)

Answered: 148    Skipped: 0
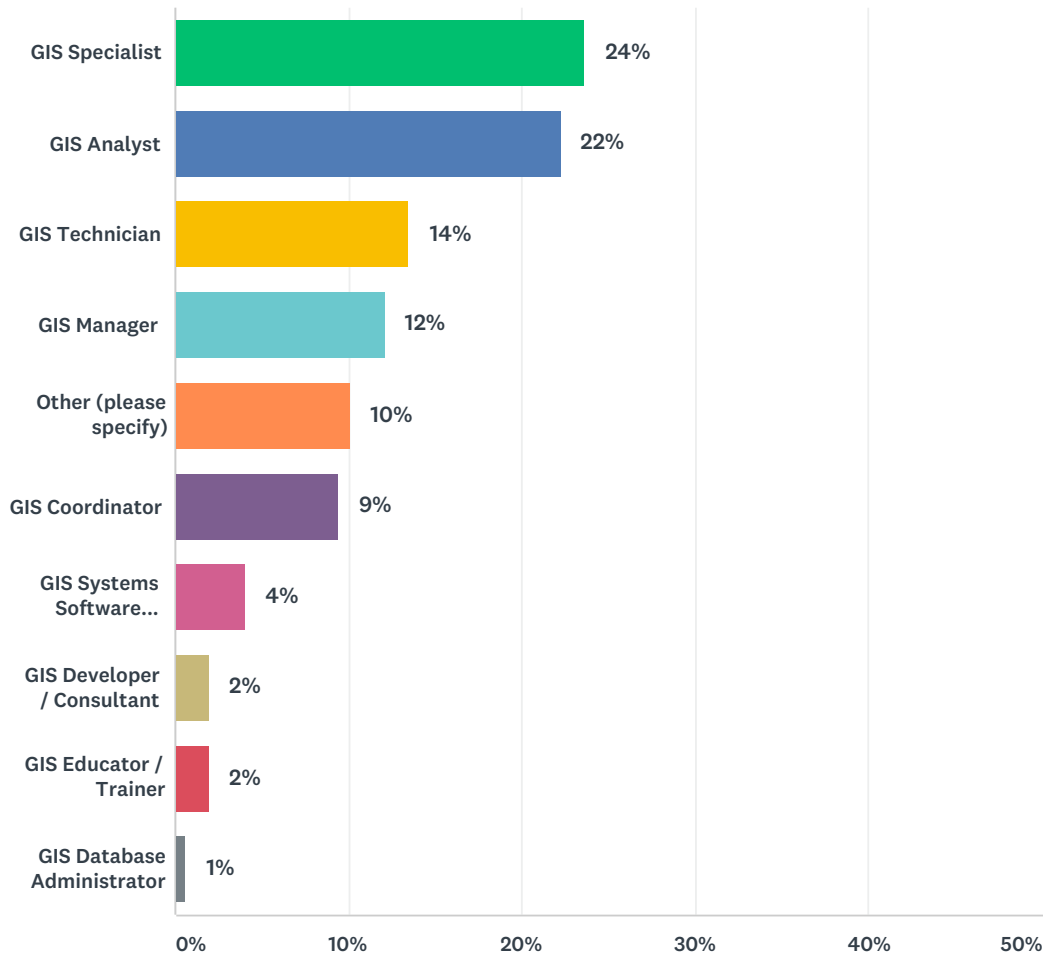


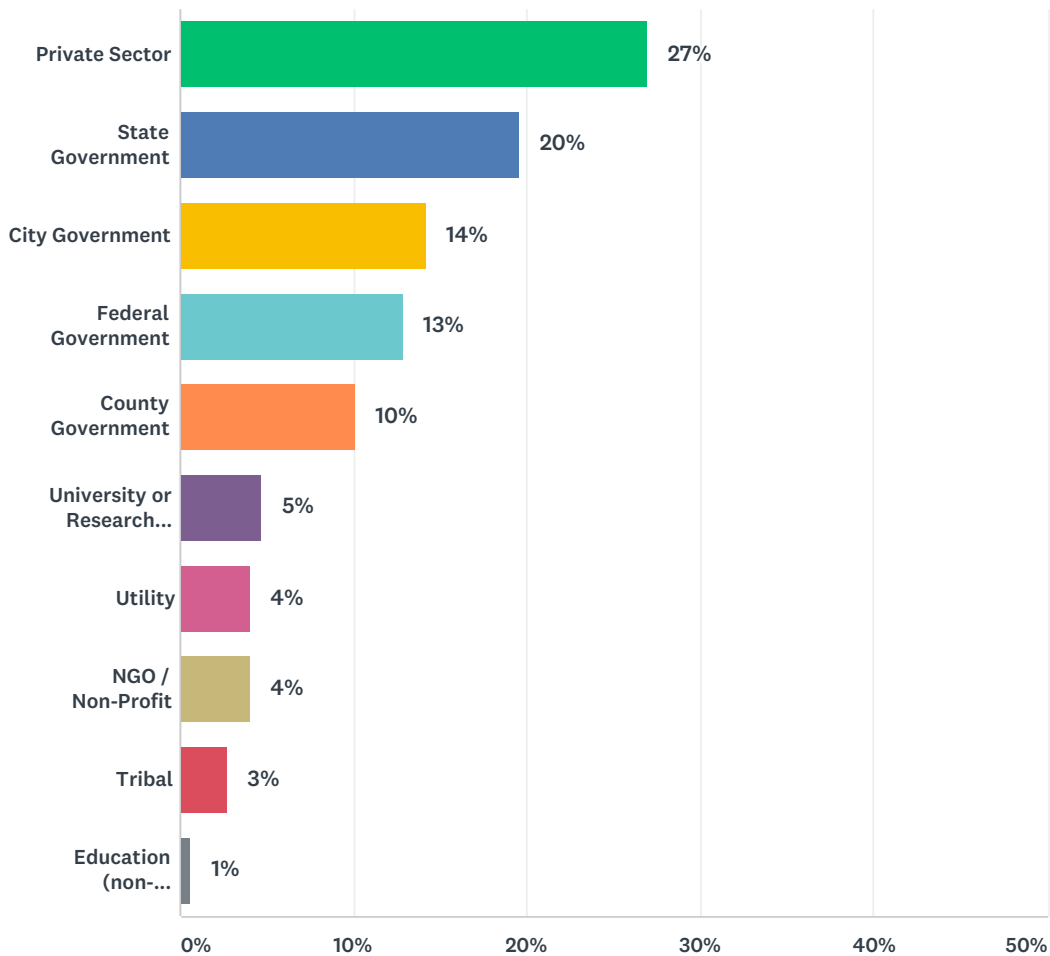| ANSWER CHOICES | RESPONSES | |
|---|---|---|
| GIS Specialist | 24% | 35 |
| GIS Analyst | 22% | 33 |
| GIS Technician | 14% | 20 |
| GIS Manager | 12% | 18 |
| Other (please specify) | 10% | 15 |
| GIS Coordinator | 9% | 14 |
| GIS Systems Software Analyst / Programmer | 4% | 6 |
| GIS Developer / Consultant | 2% | 3 |
| GIS Educator / Trainer | 2% | 3 |
| GIS Database Administrator | 1% | 1 |
| TOTAL | | 148 |

# Q1 Which of the following job positions most closely describes your employment situation? (A brief explanation of job descriptions can be found with this document: link)

Answered: 148     Skipped: 0

| # | OTHER (PLEASE SPECIFY) |
|---|---|
| 1 | Remote Sensing Analyst |
| 2 | Water Rights Consultant |
| 3 | Remote Sensing Scientist |
| 4 | Computer Analyst |
| 5 | My "title" is GIS Manager, but I'm actually only a Specialist |
| 6 | Land Management Specialist |
| 7 | Performance Auditor - Use GIS for analysis purposes |
| 8 | unemployed |
| 9 | cartographic Technician |
| 10 | Cartographer |
| 11 | water rights consultant |
| 12 | Remote Sensing Analyst |
| 13 | Spatial Analyst |
| 14 | GIS Tech and CADD Drafter |
| 15 | Geospatial Analyst/Remote Sensing Specialist |

# Q2 What category best describes the type of organization where you are employed?

Answered: 148    Skipped: 0



| ANSWER CHOICES | RESPONSES | |
| --- | --- | --- |
| Private Sector | 27% | 40 |
| State Government | 20% | 29 |
| City Government | 14% | 21 |
| Federal Government | 13% | 19 |
| County Government | 10% | 15 |
| University or Research Institution | 5% | 7 |
| Utility | 4% | 6 |
| NGO / Non-Profit | 4% | 6 |
| Tribal | 3% | 4 |
| Education (non- university) | 1% | 1 |
| TOTAL | | 148 |

# Q3 What department do you work under?

Answered: 148     Skipped: 0
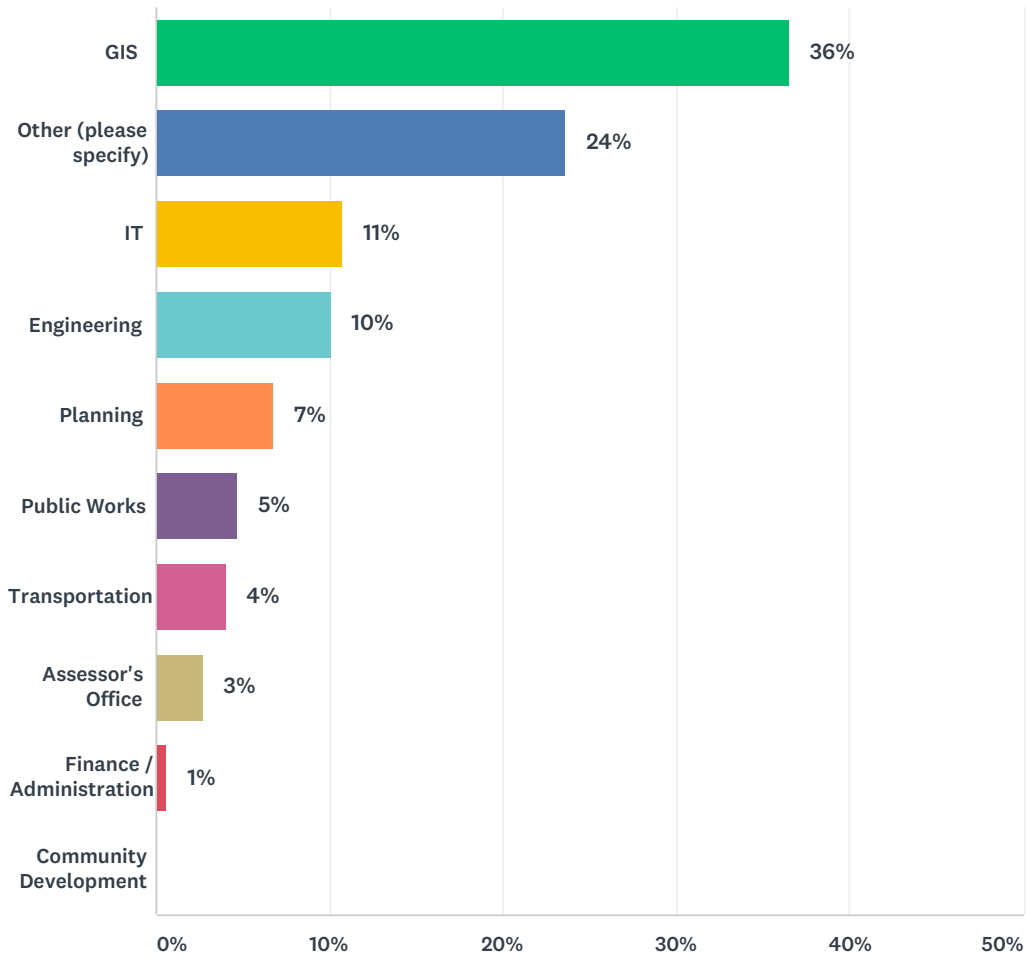


| ANSWER CHOICES | RESPONSES | |
| --- | --- | --- |
| GIS | 36% | 54 |
| Other (please specify) | 24% | 35 |
| IT | 11% | 16 |
| Engineering | 10% | 15 |
| Planning | 7% | 10 |
| Public Works | 5% | 7 |
| Transportation | 4% | 6 |
| Assessor's Office | 3% | 4 |
| Finance / Administration | 1% | 1 |
| Community Development | 0% | 0 |
| TOTAL | | 148 |

# Q3 What department do you work under?

| # | OTHER (PLEASE SPECIFY) |
|---|---|
| 1 | Natural Resources |
| 2 | Fire and Aviation Management |
| 3 | Map Making -GIS & Cartography |
| 4 | Wildland Fire Research |
| 5 | Water Rights Consultant |
| 6 | Environmental Science |
| 7 | LANDFIRE Program |
| 8 | Citywide - Planning, Parks, Public Works, Law Enforcement ect. |
| 9 | Reserve Management |
| 10 | Audit |
| 11 | Mapping |
| 12 | Small organization - No departments |
| 13 | Forestry |
| 14 | Emergency Managment |
| 15 | land titles records |
| 16 | Land Title and Records-BIA |
| 17 | Environmental |
| 18 | Planning, Public works, and GIS |
| 19 | Small organization, no departments, I am the only GIS person |
| 20 | water rights |
| 21 | Management Consulting |
| 22 | Geology |
| 23 | Academics |
| 24 | Minerals Office |
| 25 | Conservation |
| 26 | Groundwater |
| 27 | Forestry |
| 28 | Stewardship |
| 29 | Digital Library |
| 30 | Water Resources |
| 31 | Natural Resources |
| 32 | US Department of Agriculture |
| 33 | private sector |
| 34 | Office of Public Defeneder |
| 35 | marketing |

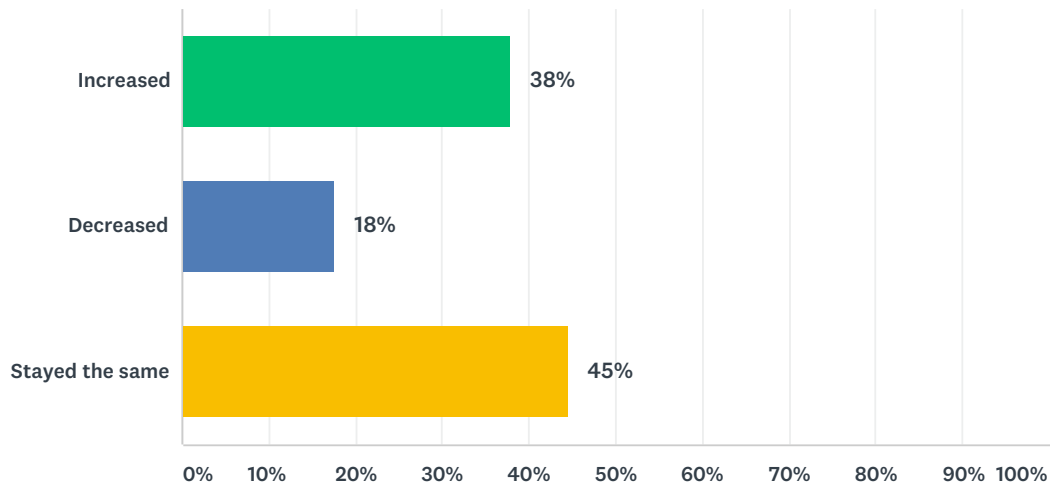# Q4 How many GIS staff members are in your organization?

Answered: 148    Skipped: 0
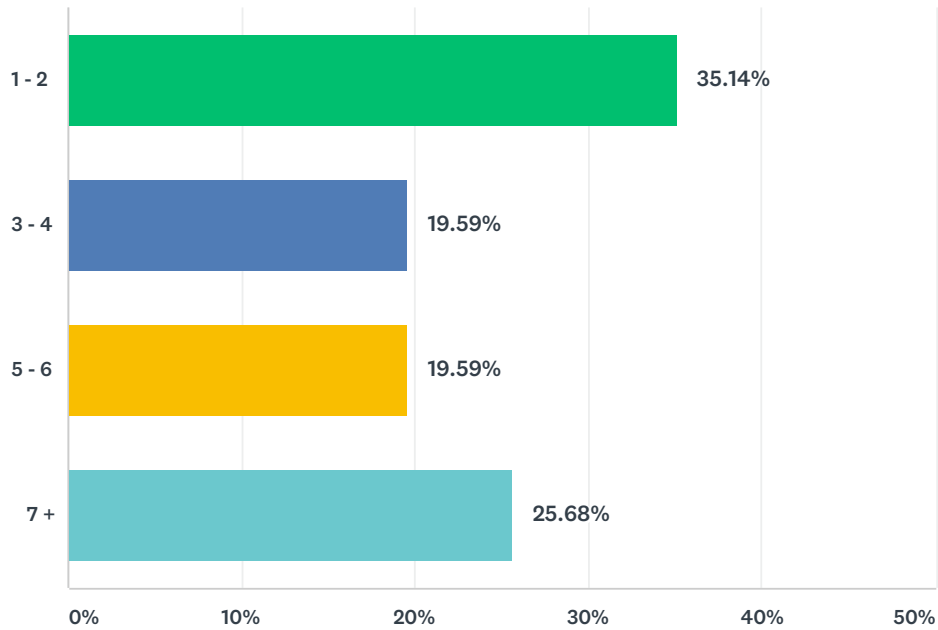


| ANSWER CHOICES | RESPONSES | |
|---|---|---|
| 1 - 2 | 35.14% | 52 |
| 3 - 4 | 19.59% | 29 |
| 5 - 6 | 19.59% | 29 |
| 7 + | 25.68% | 38 |
| TOTAL | | 148 |

# Q5 In the past five years, has your organization increased or decreased the total number of GIS staff members?
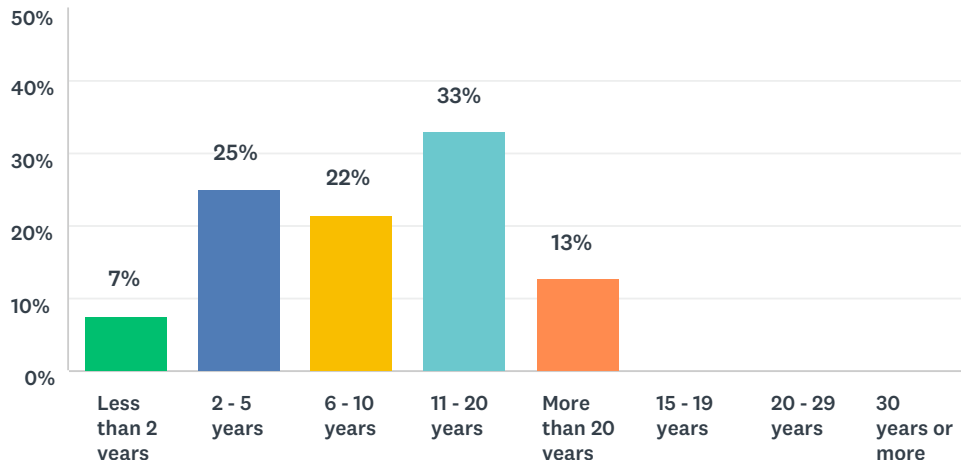
Answered: 148    Skipped: 0



| ANSWER CHOICES | RESPONSES | |
|---|---|---|
| Increased | 38% | 56 |
| Decreased | 18% | 26 |
| Stayed the same | 45% | 66 |
| TOTAL | | 148 |

# Q6 How many years of professional GIS experience do you have?

Answered: 148    Skipped: 0



| ANSWER CHOICES | RESPONSES | |
|---|---|---|
| Less than 2 years | 7% | 11 |
| 2 - 5 years | 25% | 37 |
| 6 - 10 years | 22% | 32 |
| 11 - 20 years | 33% | 49 |
| More than 20 years | 13% | 19 |
| 15 - 19 years | 0% | 0 |
| 20 - 29 years | 0% | 0 |
| 30 years or more | 0% | 0 |
| TOTAL | | 148 |

# Q7 In which range does your current annual salary fall within?

Answered: 148    Skipped: 0
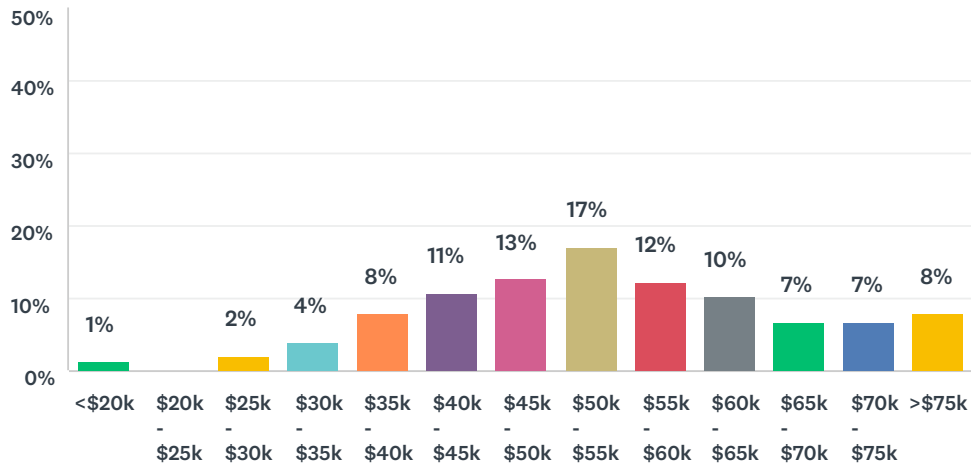


| ANSWER CHOICES | RESPONSES | |
|---|---|---|
| <$20k | 1% | 2 |
| $20k - $25k | 0% | 0 |
| $25k - $30k | 2% | 3 |
| $30k - $35k | 4% | 6 |
| $35k - $40k | 8% | 12 |
| $40k - $45k | 11% | 16 |
| $45k - $50k | 13% | 19 |
| $50k - $55k | 17% | 25 |
| $55k - $60k | 12% | 18 |
| $60k - $65k | 10% | 15 |
| $65k - $70k | 7% | 10 |
| $70k - $75k | 7% | 10 |
| >$75k | 8% | 12 |
| TOTAL | | 148 |

# Q8 What types of benefits does your employer provide? (check all that apply)

Answered: 148     Skipped: 0
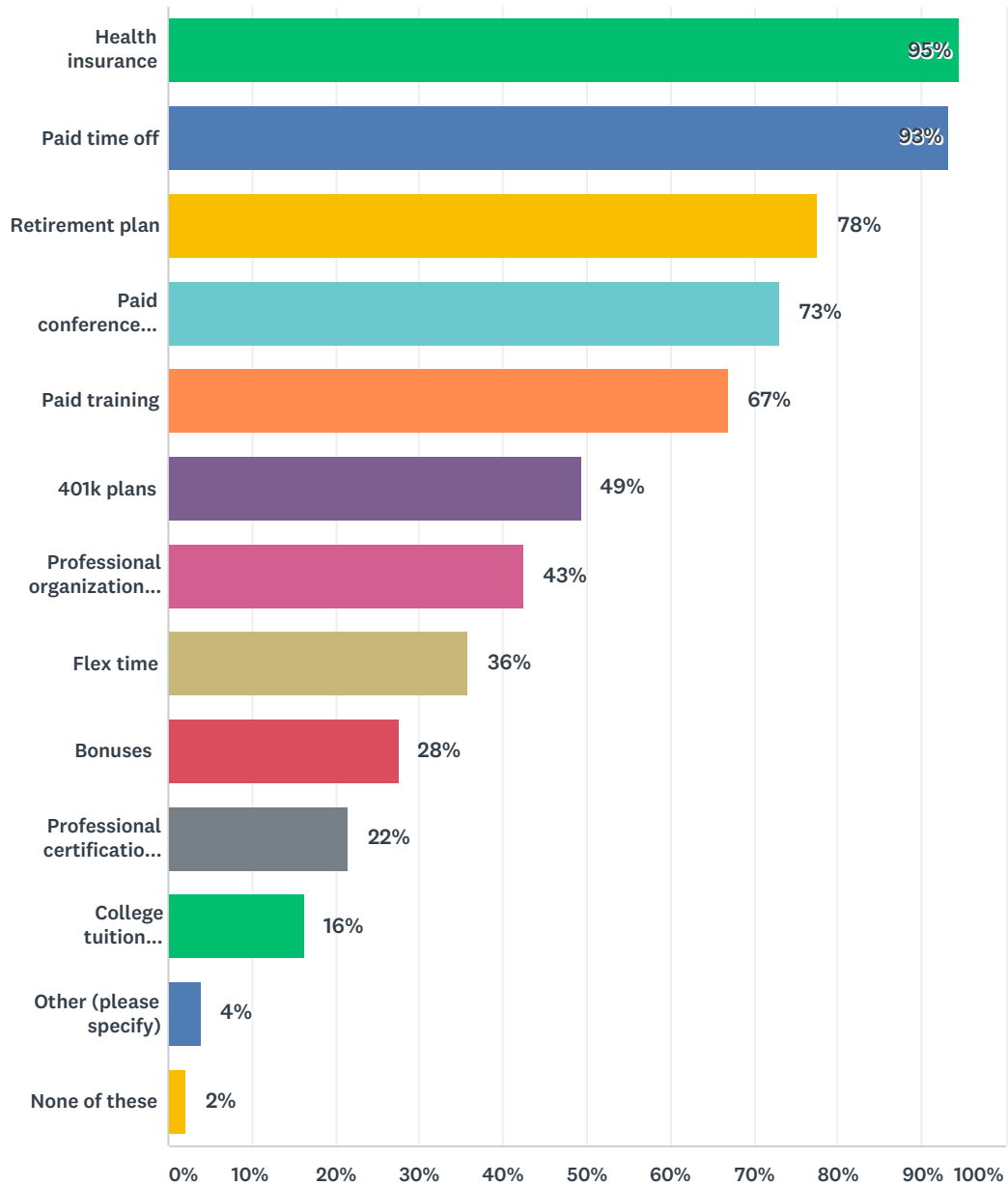
# Q8 What types of benefits does your employer provide? (check all that apply)

Answered: 148     Skipped: 0

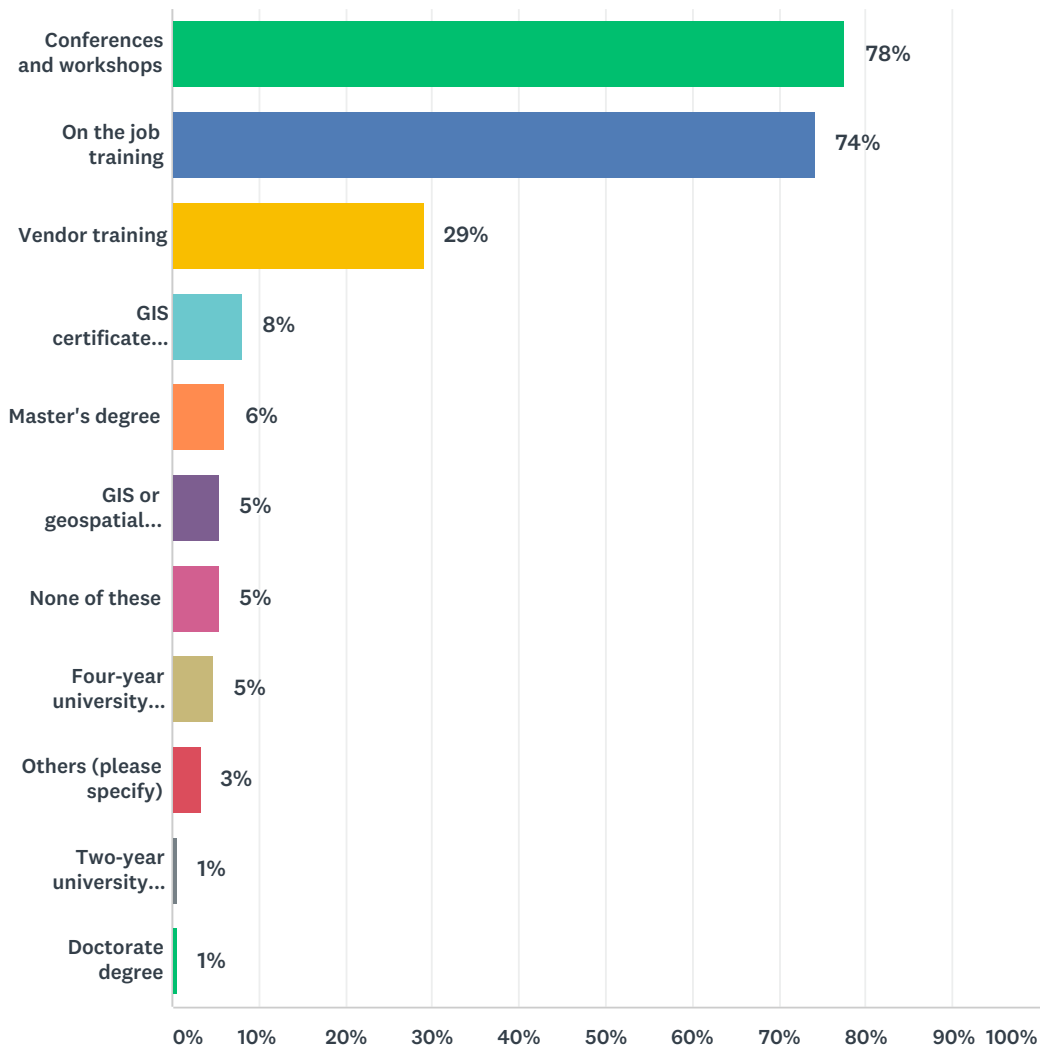| ANSWER CHOICES | RESPONSES | |
|---|---|---|
| Health insurance | 95% | 140 |
| Paid time off | 93% | 138 |
| Retirement plan | 78% | 115 |
| Paid conference attendance | 73% | 108 |
| Paid training | 67% | 99 |
| 401k plans | 49% | 73 |
| Professional organization membership dues | 43% | 63 |
| Flex time | 36% | 53 |
| Bonuses | 28% | 41 |
| Professional certification reimbursement | 22% | 32 |
| College tuition reimbursement | 16% | 24 |
| Other (please specify) | 4% | 6 |
| None of these | 2% | 3 |
| Total Respondents: 148 | | |

| # | OTHER (PLEASE SPECIFY) |
|---|---|
| 1 | Consultant - Private health & Retirement plan |
| 2 | 454 Plan |
| 3 | Position will pay up to 58k |
| 4 | Not sure about college tuition. |
| 5 | Longevity pay after 5 years |
| 6 | Company stock ownership |

## Q9 In the past 3 years, what types of continuing education and professional development have you acquired? (check all that apply)

Answered: 148     Skipped: 0

# Q9 In the past 3 years, what types of continuing education and professional development have you acquired? (check all that apply)
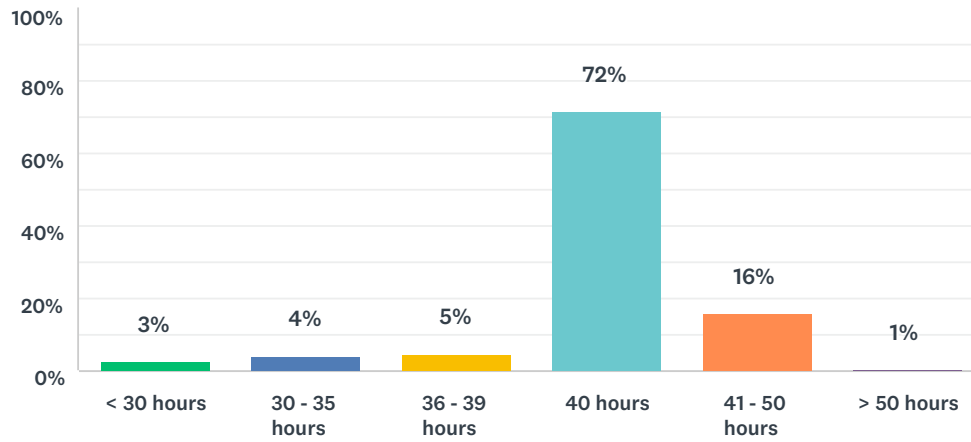
Answered: 148    Skipped: 0

| ANSWER CHOICES | RESPONSES | |
|---|---|---|
| Conferences and workshops | 78% | 115 |
| On the job training | 74% | 110 |
| Vendor training | 29% | 43 |
| GIS certificate (from an accredited education institution) | 8% | 12 |
| Master's degree | 6% | 9 |
| GIS or geospatial technology certificate (i.e. ESRI Technical Certification) | 5% | 8 |
| None of these | 5% | 8 |
| Four-year university (baccalaureate degree) | 5% | 7 |
| Others (please specify) | 3% | 5 |
| Two-year university (associate's degree) | 1% | 1 |
| Doctorate degree | 1% | 1 |
| Total Respondents: 148 | | |

| # | OTHERS (PLEASE SPECIFY) |
|---|---|
| 1 | Work shop when possible |
| 2 | University Of YouTube and Google (AKA: Encyclopedia de Google) ;) |
| 3 | 28 qtr credits towards MSGISc |
| 4 | college continuing education course |
| 5 | online training |

# Q10 On average, how many hours do you work in a typical week?

Answered: 148    Skipped: 0



| ANSWER CHOICES | RESPONSES | |
|---|---|---|
| < 30 hours | 3% | 4 |
| 30 - 35 hours | 4% | 6 |
| 36 - 39 hours | 5% | 7 |
| 40 hours | 72% | 106 |
| 41 - 50 hours | 16% | 24 |
| > 50 hours | 1% | 1 |
| TOTAL | | 148 |

# Q11 On average, what percentage of your time involves the use of GIS?

Answered: 143    Skipped: 5
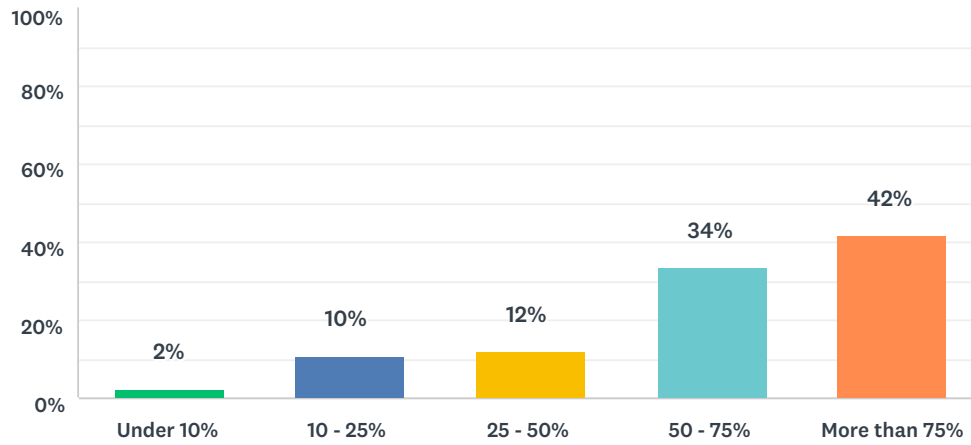


| ANSWER CHOICES | RESPONSES | |
|---|---|---|
| Under 10% | 2% | 3 |
| 10 - 25% | 10% | 15 |
| 25 - 50% | 12% | 17 |
| 50 - 75% | 34% | 48 |
| More than 75% | 42% | 60 |
| TOTAL | | 143 |

# Q12 What GIS skills are required for your job? (check all that apply)
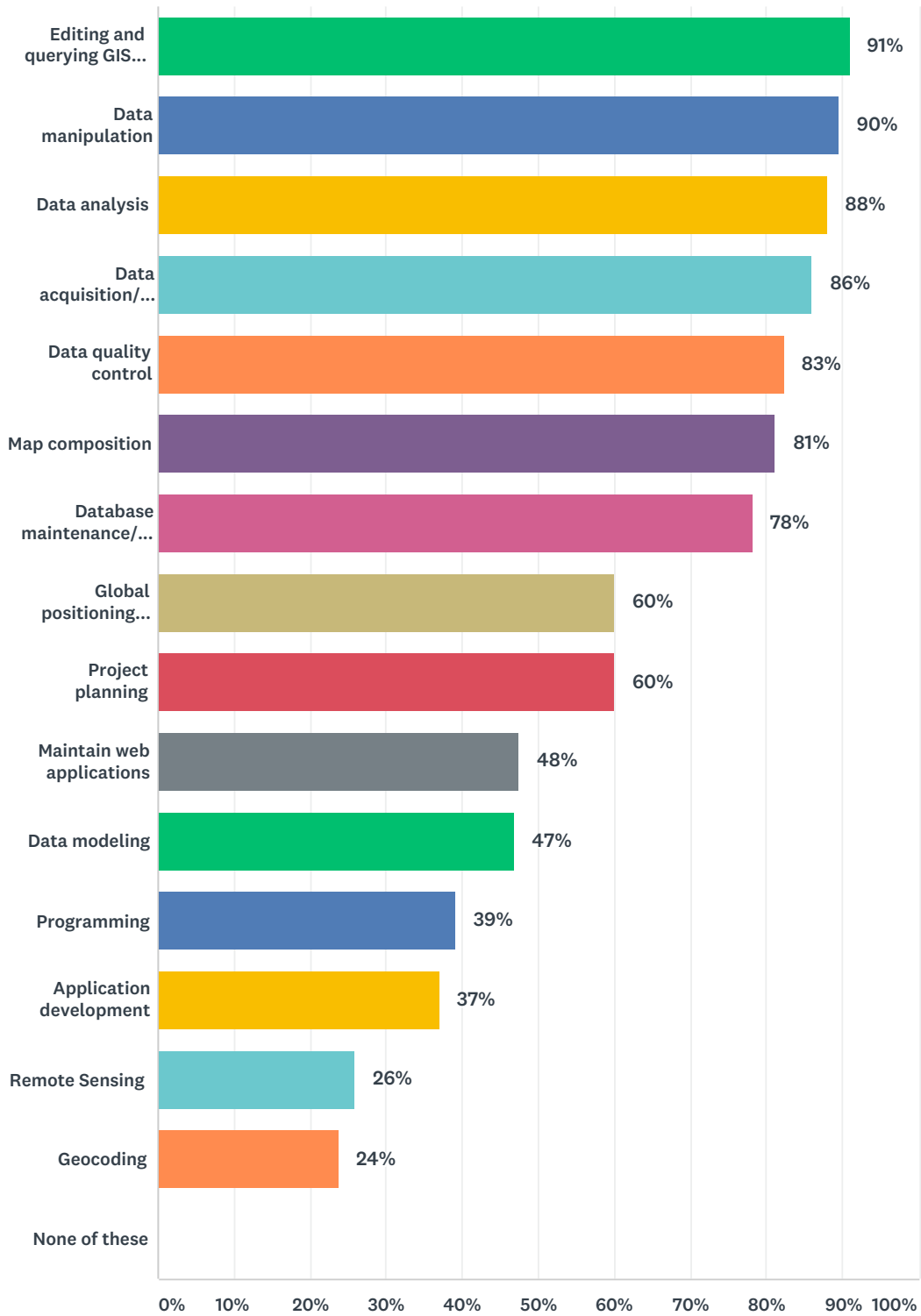
Answered: 143 Skipped: 5

| Skill | % |
|---|---|
| Editing and querying GIS... | 91% |
| Data manipulation | 90% |
| Data analysis | 88% |
| Data acquisition/... | 86% |
| Data quality control | 83% |
| Map composition | 81% |
| Database maintenance/... | 78% |
| Global positioning... | 60% |
| Project planning | 60% |
| Maintain web applications | 48% |
| Data modeling | 47% |
| Programming | 39% |
| Application development | 37% |
| Remote Sensing | 26% |
| Geocoding | 24% |
| None of these | |

0%   10%   20%   30%   40%   50%   60%   70%   80%   90%   100%

# Q12 What GIS skills are required for your job? (check all that apply)

Answered: 143   Skipped: 5

| ANSWER CHOICES | RESPONSES | |
|---|---|---|
| Editing and querying GIS data | 91% | 130 |
| Data manipulation | 90% | 128 |
| Data analysis | 88% | 126 |
| Data acquisition/creation | 86% | 123 |
| Data quality control | 83% | 118 |
| Map composition | 81% | 116 |
| Database maintenance/administration | 78% | 112 |
| Global positioning systems (GPS) | 60% | 86 |
| Project planning | 60% | 86 |
| Maintain web applications | 48% | 68 |
| Data modeling | 47% | 67 |
| Programming | 39% | 56 |
| Application development | 37% | 53 |
| Remote Sensing | 26% | 37 |
| Geocoding | 24% | 34 |
| None of these | 0% | 0 |
| Total Respondents: 143 | | |

| # | OTHERS (PLEASE LIST) |
|---|---|
| 1 | historical aerial photo interpretation |
| 2 | Mobile/Collector App UAV Technology |
| 3 | an understanding of most of these |
| 4 | ArcGIS Server, MySQL db, Postgres db |
| 5 | Introductory teaching in most of these areas |
| 6 | Mobile GIS Workflows |

# Q13 What additional skills are required for your job? (check all that apply)

Answered: 143    Skipped: 5

| Skill | Percentage |
|-------|-----------|
| Technical support | 69% |
| Research | 64% |
| Writing (i.e. reports,... | 61% |
| Teaching/training | 55% |
| Public speaking | 44% |
| Statistics | 38% |
| Budgeting | 29% |
| Supervising other employees | 26% |
| Sales or marketing | 13% |
| None of these | 3% |
| Others (please specify) | 3% |
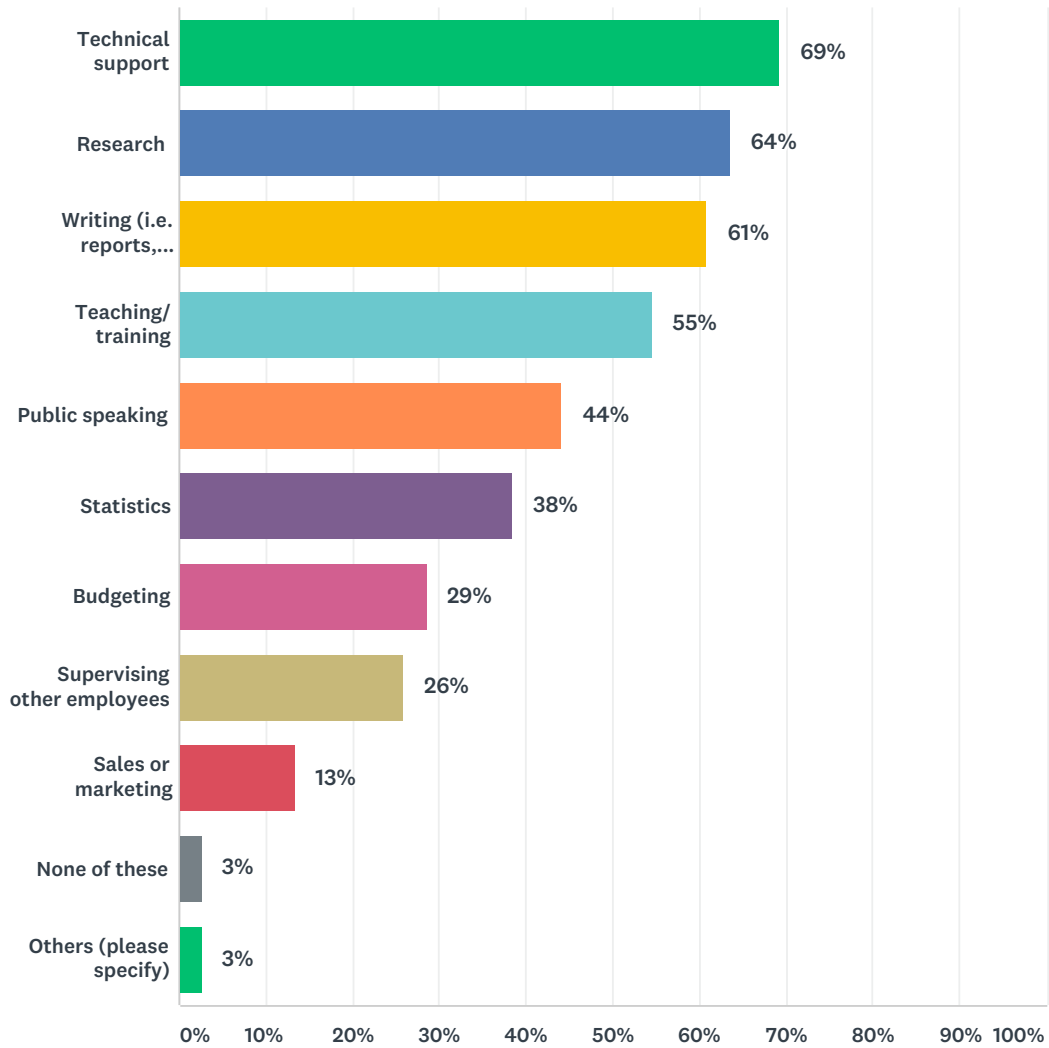
# Q13 What additional skills are required for your job? (check all that apply)

Answered: 143    Skipped: 5

| ANSWER CHOICES | RESPONSES | |
|---|---|---|
| Technical support | 69% | 99 |
| Research | 64% | 91 |
| Writing (i.e. reports, publications, etc) | 61% | 87 |
| Teaching/ training | 55% | 78 |
| Public speaking | 44% | 63 |
| Statistics | 38% | 55 |
| Budgeting | 29% | 41 |
| Supervising other employees | 26% | 37 |
| Sales or marketing | 13% | 19 |
| None of these | 3% | 4 |
| Others (please specify) | 3% | 4 |
| Total Respondents: 143 | | |

| # | OTHERS (PLEASE SPECIFY) | |
|---|---|---|
| 1 | Testifying in Water Court | |
| 2 | I have a ton of different roles in my position so at some point I've had to work on and develop most of the above skills. | |
| 3 | clerical work | |
| 4 | field work. | |

# Q14 Have you completed a GIS certificate program via a defined series of GIS courses?

Answered: 143     Skipped: 5
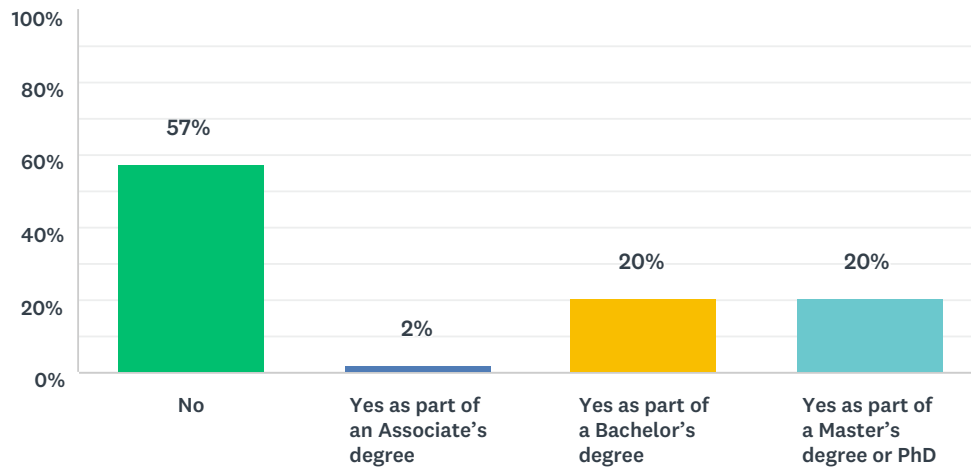


| ANSWER CHOICES | RESPONSES | |
|---|---|---|
| No | 57% | 82 |
| Yes as part of an Associate's degree | 2% | 3 |
| Yes as part of a Bachelor's degree | 20% | 29 |
| Yes as part of a Master's degree or PhD | 20% | 29 |
| TOTAL | | 143 |

# Q15 In what discipline did you receive your educational degree? (check all that apply)

Answered: 143    Skipped: 5
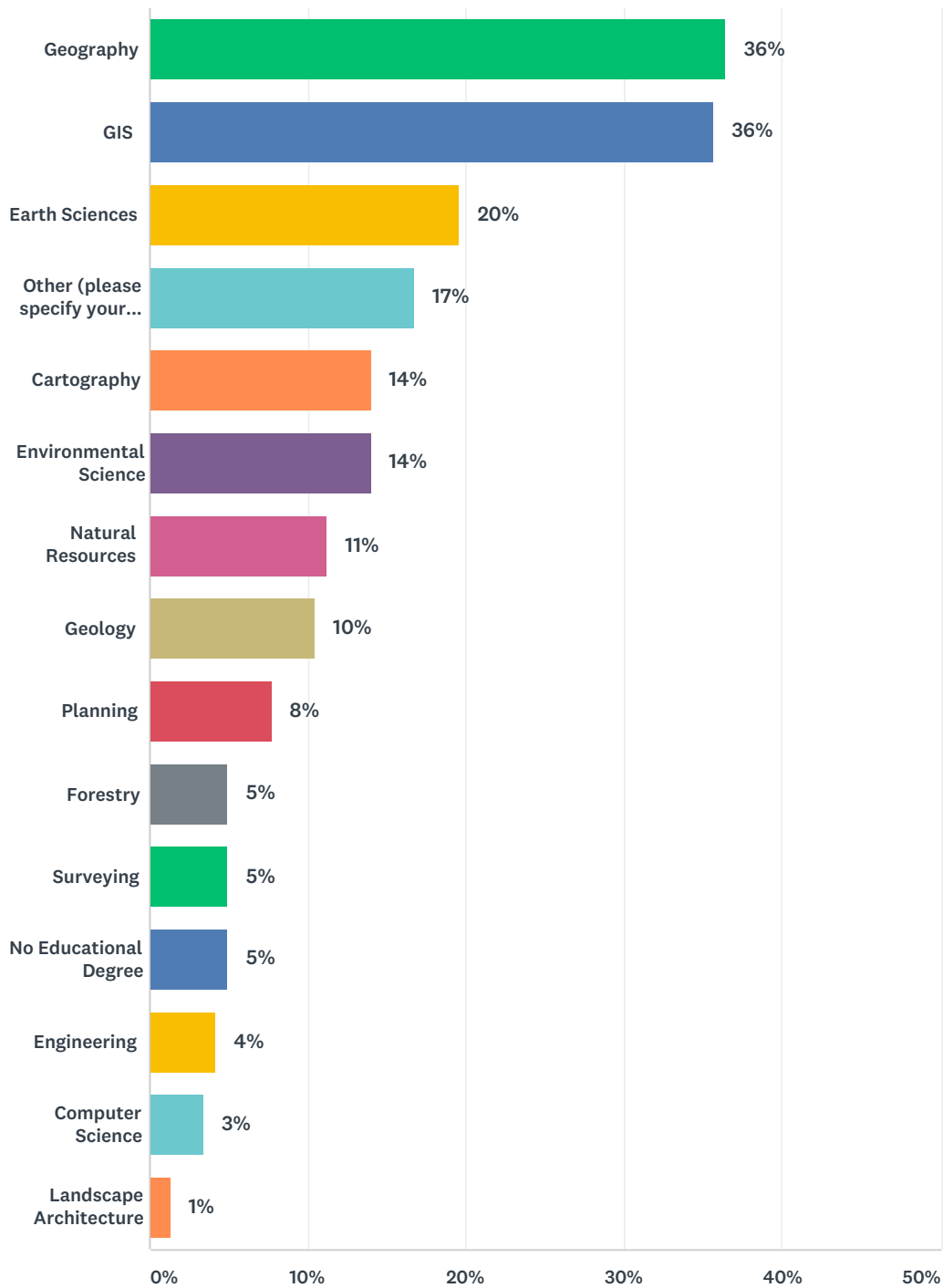
# Q15 In what discipline did you receive your educational degree? (check all that apply)

Answered: 143     Skipped: 5

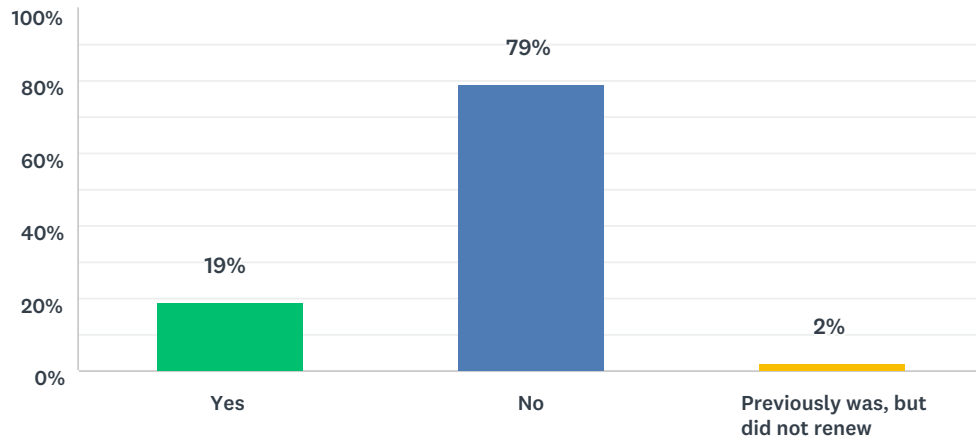| ANSWER CHOICES | RESPONSES | |
|---|---|---|
| Geography | 36% | 52 |
| GIS | 36% | 51 |
| Earth Sciences | 20% | 28 |
| Other (please specify your degree field) | 17% | 24 |
| Cartography | 14% | 20 |
| Environmental Science | 14% | 20 |
| Natural Resources | 11% | 16 |
| Geology | 10% | 15 |
| Planning | 8% | 11 |
| Forestry | 5% | 7 |
| Surveying | 5% | 7 |
| No Educational Degree | 5% | 7 |
| Engineering | 4% | 6 |
| Computer Science | 3% | 5 |
| Landscape Architecture | 1% | 2 |
| Total Respondents: 143 | | |

# Q15 In what discipline did you receive your educational degree? (check all that apply)

Answered: 143    Skipped: 5

| # | OTHER (PLEASE SPECIFY YOUR DEGREE FIELD) | DATE |
|---|---|---|
| 1 | BS Decree Agronomist; Hydrology | 2/24/2018 8:22 AM |
| 2 | Mining | 2/23/2018 4:11 PM |
| 3 | zoology | 2/23/2018 3:53 PM |
| 4 | Archaeology | 2/13/2018 2:52 PM |
| 5 | Graduated 2001 | 2/9/2018 9:08 AM |
| 6 | Mass Communication | 2/1/2018 10:27 AM |
| 7 | Integrated Science and Technology | 1/31/2018 12:50 PM |
| 8 | Business with Information Systems Option | 1/24/2018 9:44 AM |
| 9 | Biology | 1/23/2018 4:35 PM |
| 10 | animal science | 1/23/2018 10:35 AM |
| 11 | Public Administration/Policy | 1/22/2018 11:50 AM |
| 12 | Secondary Education | 1/18/2018 8:48 AM |
| 13 | Anthropology | 1/18/2018 8:00 AM |
| 14 | Anthropology | 1/18/2018 6:03 AM |
| 15 | Christian Ministry Degree | 1/17/2018 3:58 PM |
| 16 | Anthropology | 1/17/2018 3:02 PM |
| 17 | Technology Education | 1/17/2018 1:40 PM |
| 18 | BS Mathematics | 1/17/2018 11:47 AM |
| 19 | Education | 1/17/2018 11:12 AM |
| 20 | Cadd | 1/17/2018 10:14 AM |
| 21 | Accounting - AAS | 1/17/2018 10:13 AM |
| 22 | Emergency Management | 1/17/2018 9:49 AM |
| 23 | Biology | 1/17/2018 9:45 AM |
| 24 | Biological Science | 1/17/2018 9:44 AM |

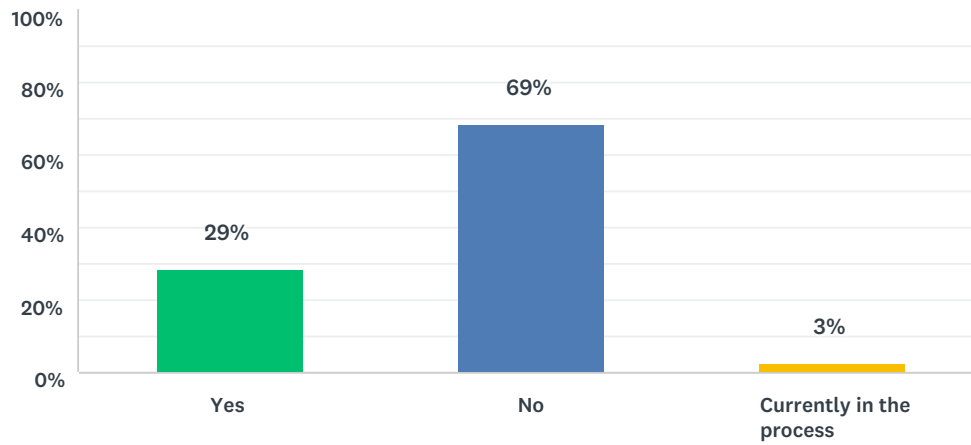# Q16 Are you currently a certified GIS Professional (GISP)?

Answered: 143     Skipped: 5



| ANSWER CHOICES | RESPONSES | |
|---|---|---|
| Yes | 19% | 27 |
| No | 79% | 113 |
| Previously was, but did not renew | 2% | 3 |
| TOTAL | | 143 |

# Q17 If you selected "no" for question #16, do you plan on applying in the next three years?
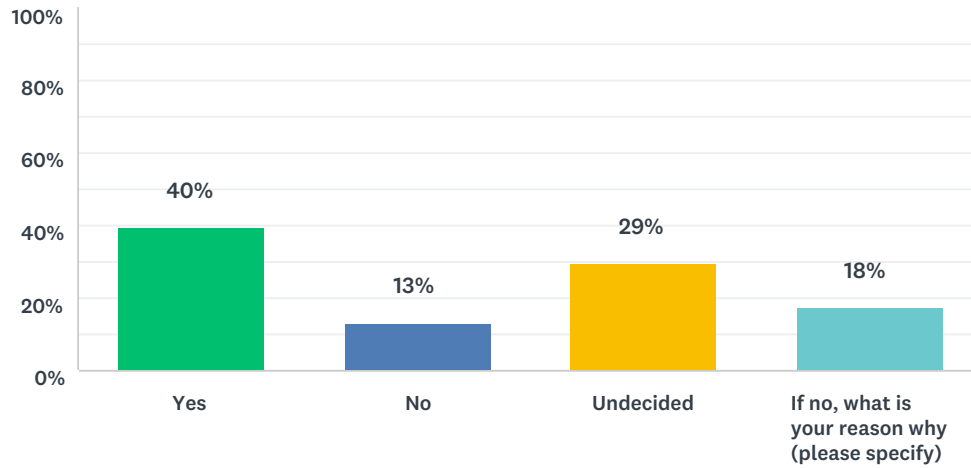
Answered: 112    Skipped: 36



| ANSWER CHOICES | RESPONSES | |
|---|---|---|
| Yes | 29% | 32 |
| No | 69% | 77 |
| Currently in the process | 3% | 3 |
| TOTAL | | 112 |

# Q18 If you selected "yes" for question #16, do you plan to renew your GISP when it expires?

Answered: 68     Skipped: 80



| ANSWER CHOICES | RESPONSES | |
|---|---|---|
| Yes | 40% | 27 |
| No | 13% | 9 |
| Undecided | 29% | 20 |
| If no, what is your reason why (please specify) | 18% | 12 |
| TOTAL | | 68 |

## Q19 What areas of interest does your job relate to? (check all that apply)

Answered: 143    Skipped: 5
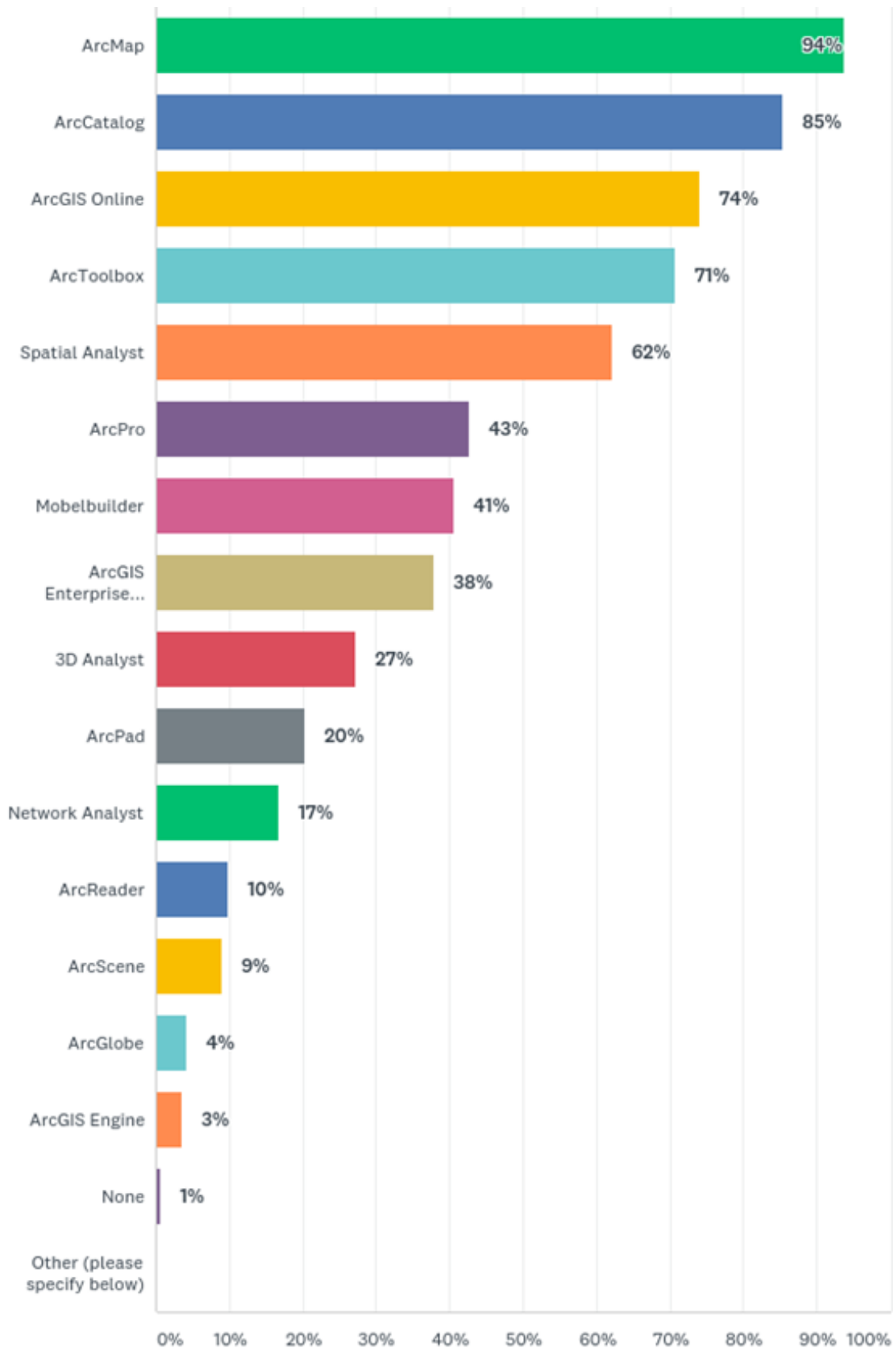
# Q19 What areas of interest does your job relate to? (check all that apply)

Answered: 143    Skipped: 5

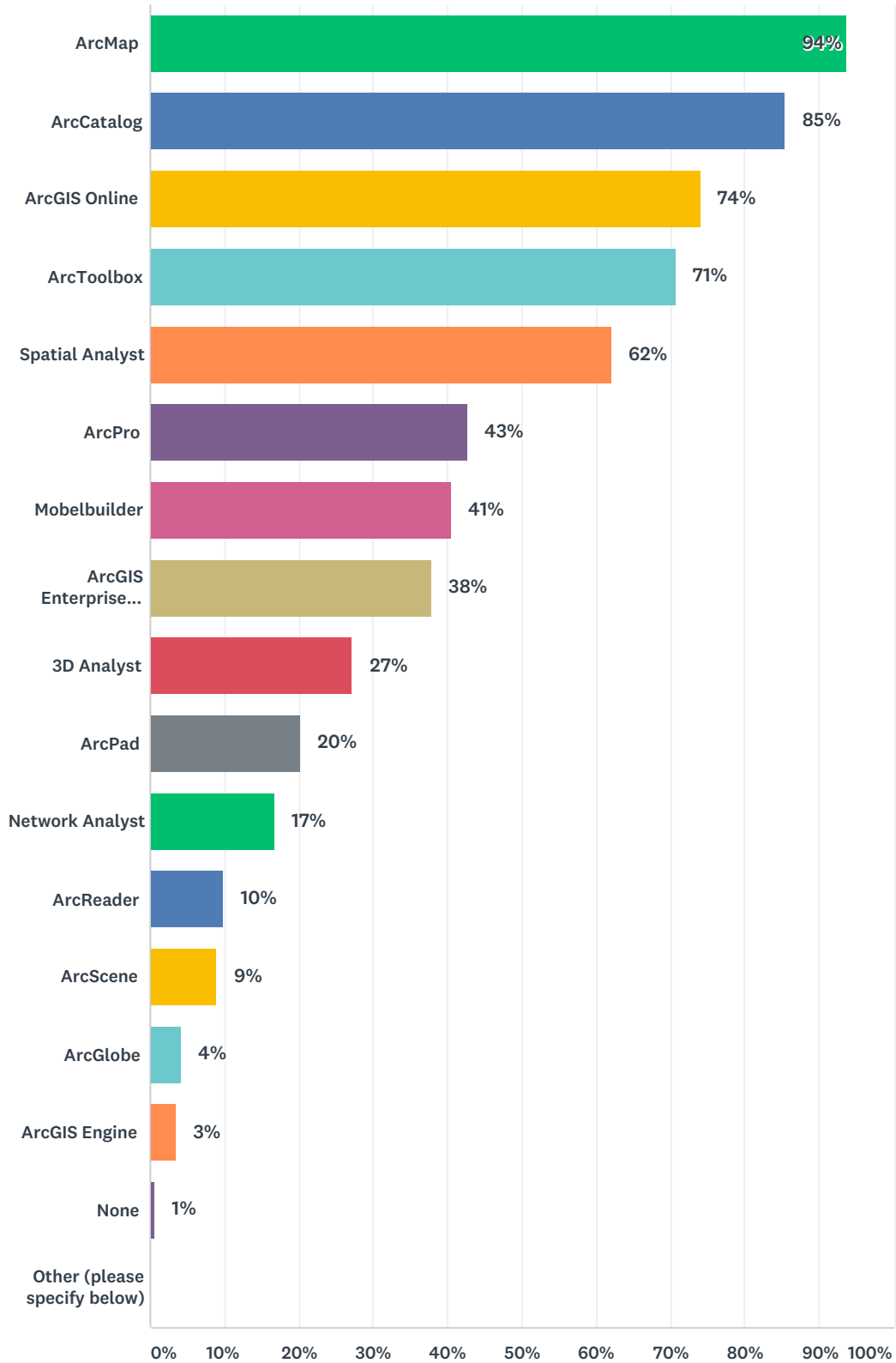| ANSWER CHOICES | RESPONSES | |
|---|---|---|
| Land Records | 52% | 74 |
| Natural Resources | 50% | 72 |
| Utilities | 36% | 52 |
| Transportation | 36% | 51 |
| Geography | 34% | 49 |
| Conservation | 31% | 45 |
| Engineering | 29% | 41 |
| Public Safety | 28% | 40 |
| Surveying | 25% | 36 |
| Real Estate | 23% | 33 |
| Addressing | 21% | 30 |
| Agriculture | 20% | 28 |
| Economic Development | 18% | 26 |
| Biology | 16% | 23 |
| Oil and Gas | 16% | 23 |
| Geology | 12% | 17 |
| Academic Research | 10% | 15 |
| Education | 10% | 15 |
| Climatology | 9% | 13 |
| Health andHuman Services | 9% | 13 |
| Other (please specify below) | 3% | 4 |
| None | 0% | 0 |
| Total Respondents: 143 | | |

# Q19 What areas of interest does your job relate to? (check all that apply)

Answered: 143    Skipped: 5

| # | OTHERS (PLEASE LIST) |
|---|---|
| 1 | Wildlife Habitat, Fisheries, Watershed function, timber/silviculture, other environment stuff |
| 2 | 1937 to present aerial photo interpetation |
| 3 | Law |
| 4 | weed management |
| 5 | Cartography |
| 6 | Governance |
| 7 | Facilities Management |
| 8 | Public Policy |
| 9 | government |
| 10 | Indigenous Traditional Knowledge |
| 11 | Hunting |
| 12 | Recreation |
| 13 | Outdoor recreation |
| 14 | History and Culture |
| 15 | Water |
| 16 | Land Use Planning |
| 17 | Recreation |

# Q20 What ESRI software does your job use?

Answered: 143     Skipped: 5

| Software | Percentage |
|----------|-----------|
| ArcMap | 94% |
| ArcCatalog | 85% |
| ArcGIS Online | 74% |
| ArcToolbox | 71% |
| Spatial Analyst | 62% |
| ArcPro | 43% |
| Mobelbuilder | 41% |
| ArcGIS Enterprise... | 38% |
| 3D Analyst | 27% |
| ArcPad | 20% |
| Network Analyst | 17% |
| ArcReader | 10% |
| ArcScene | 9% |
| ArcGlobe | 4% |
| ArcGIS Engine | 3% |
| None | 1% |
| Other (please specify below) | |

# Q20 What ESRI software does your job use?

| ANSWER CHOICES | RESPONSES | |
|---|---|---|
| ArcMap | 94% | 134 |
| ArcCatalog | 85% | 122 |
| ArcGIS Online | 74% | 106 |
| ArcToolbox | 71% | 101 |
| Spatial Analyst | 62% | 89 |
| ArcPro | 43% | 61 |
| Mobelbuilder | 41% | 58 |
| ArcGIS Enterprise (formerly known as ArcServer) | 38% | 54 |
| 3D Analyst | 27% | 39 |
| ArcPad | 20% | 29 |
| Network Analyst | 17% | 24 |
| ArcReader | 10% | 14 |
| ArcScene | 9% | 13 |
| ArcGlobe | 4% | 6 |
| ArcGIS Engine | 3% | 5 |
| None | 1% | 1 |
| Other (please specify below) | 0% | 0 |
| Total Respondents: 143 | | |

| # | OTHERS (PLEASE LIST) |
|---|---|
| 1 | Collector |
| 2 | None- My job does not use ArcGIS. I had to choose one to continue the survey. |
| 3 | ArcGIS Desktop/ArcGIS Pro |
| 4 | Collector for ArcGIS |
| 5 | none currently, s little expensive for the unemployed |
| 6 | python |
| 7 | Collector |
| 8 | ArcGIS Collector |
| 9 | I avoid ESRI at all costs |
| 10 | ESRI Collector |
| 11 | Drone2Map |
| 12 | Portal for ArcGIS |

# Q21 What other software does your job use?

Answered: 143     Skipped: 5

| Software | Percentage |
|----------|-----------|
| SQL Server (type software) | 37% |
| Terra Sync | 25% |
| AutoCAD | 23% |
| QGIS | 23% |
| Pathfinder Office | 22% |
| Open Street Maps | 18% |
| Trimble Positions | 16% |
| Global Mapper | 15% |
| ERDAS Imagine | 12% |
| Microstation | 8% |
| OpenLayers | 7% |
| GRASS GIS | 6% |
| MSAG | 6% |
| FME | 6% |
| Other (please specify below) | 3% |
| New World | 3% |
| None | 1% |

0%  10%  20%  30%  40%  50%  60%  70%  80%  90%  100%
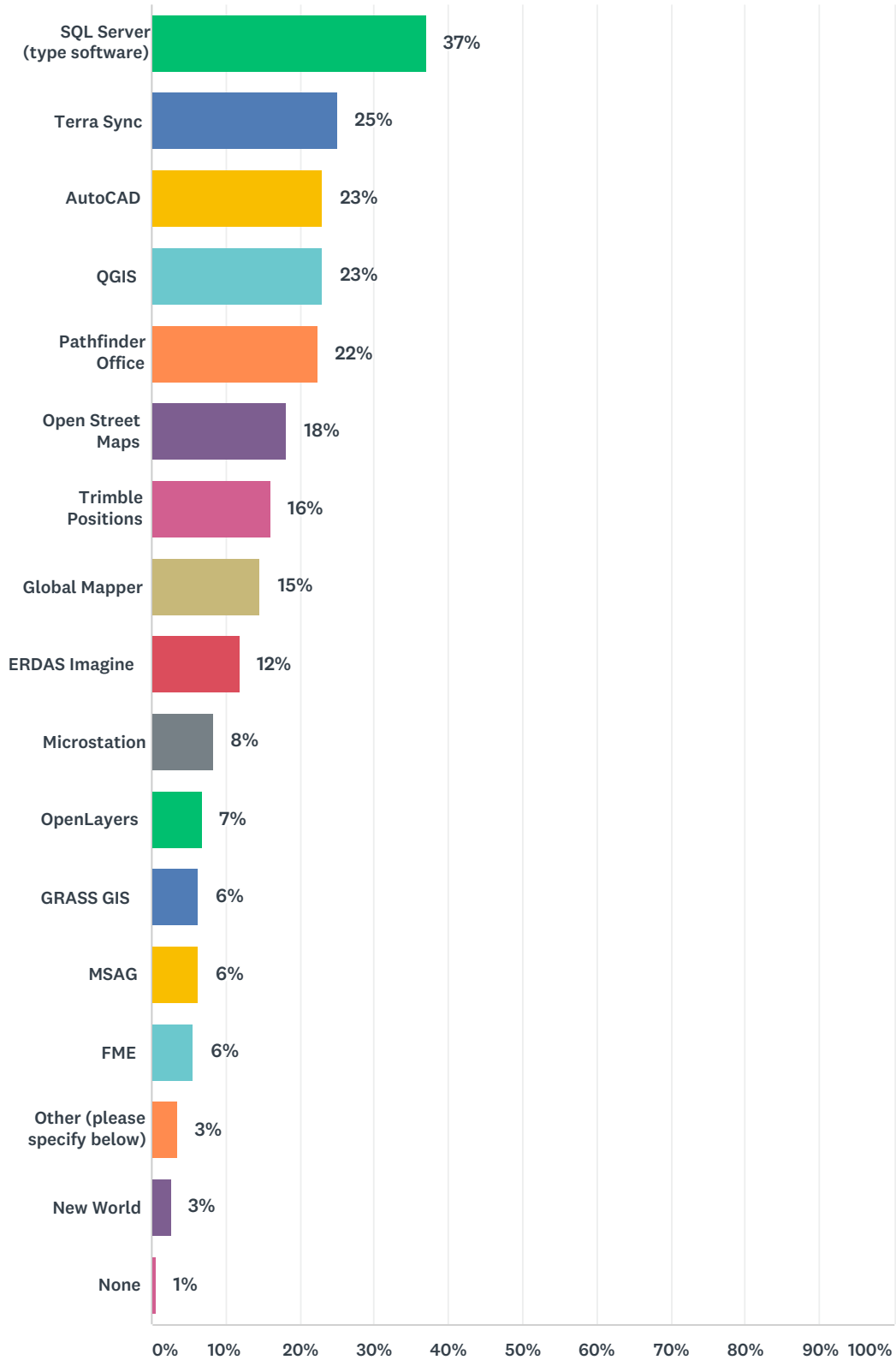
# Q21 What other software does your job use?

| ANSWER CHOICES | RESPONSES | |
| --- | --- | --- |
| SQL Server (type software) | 37% | 53 |
| Terra Sync | 25% | 36 |
| AutoCAD | 23% | 33 |
| QGIS | 23% | 33 |
| Pathfinder Office | 22% | 32 |
| Open Street Maps | 18% | 26 |
| Trimble Positions | 16% | 23 |
| Global Mapper | 15% | 21 |
| ERDAS Imagine | 12% | 17 |
| Microstation | 8% | 12 |
| OpenLayers | 7% | 10 |
| GRASS GIS | 6% | 9 |
| MSAG | 6% | 9 |
| FME | 6% | 8 |
| Other (please specify below) | 3% | 5 |
| New World | 3% | 4 |
| None | 1% | 1 |
| Total Respondents: 143 | | |

# Q21 What other software does your job use?

**OTHERS (PLEASE LIST)**

Google Earth Pro, Avenza Pro, DNRGPS, several agency- or user- developed ArcGIS addons Trimble eCognition, R, Google Earth Engine, ESRI Collector, ESRI Survery 123, Python Collector, GNet

QGIS, SAGA, OpenJump, PostGIS/Postgres, python

eCognition, ENVI

General CAD

Drone Deploy

WindMil

Intergraph G-Technology, Intergraph GTViewer

We are looking to do more data collection since new staff has been hired on so additional software will be in use soon. I use Open Street Maps occasionally.

I don't really use Open Street Maps. The form wouldn't let me leave all options unchecked. Others I do use: Google Earth Pro, DNR GPS, Microsoft Excel

excel, Microsoft Office

None, wouldn't let me proceed without selecting something.

Adobe Illustrator

Question 21 wouldn't let me select "none" so I selected "trimble positions" (but I do not use that software)

Pix4D, Agusoft PhotoScan

n/a

NISC IVUE, MilSoft Windmil

Cityworks

none of these

EQuIS

Python

ENVI

R, Google Earth Engine

eCognition, soft tree, civil 3d, Pix4D, Agisoft

Cloud Compare

Oracle, MS Access, SQL Developer

Google Earth

Various Garmin Software

Leica LGO 8.4

Adobe Illustrator and Photoshop

GDAL, geopandas, pysal, Matplotlib Basemap, python
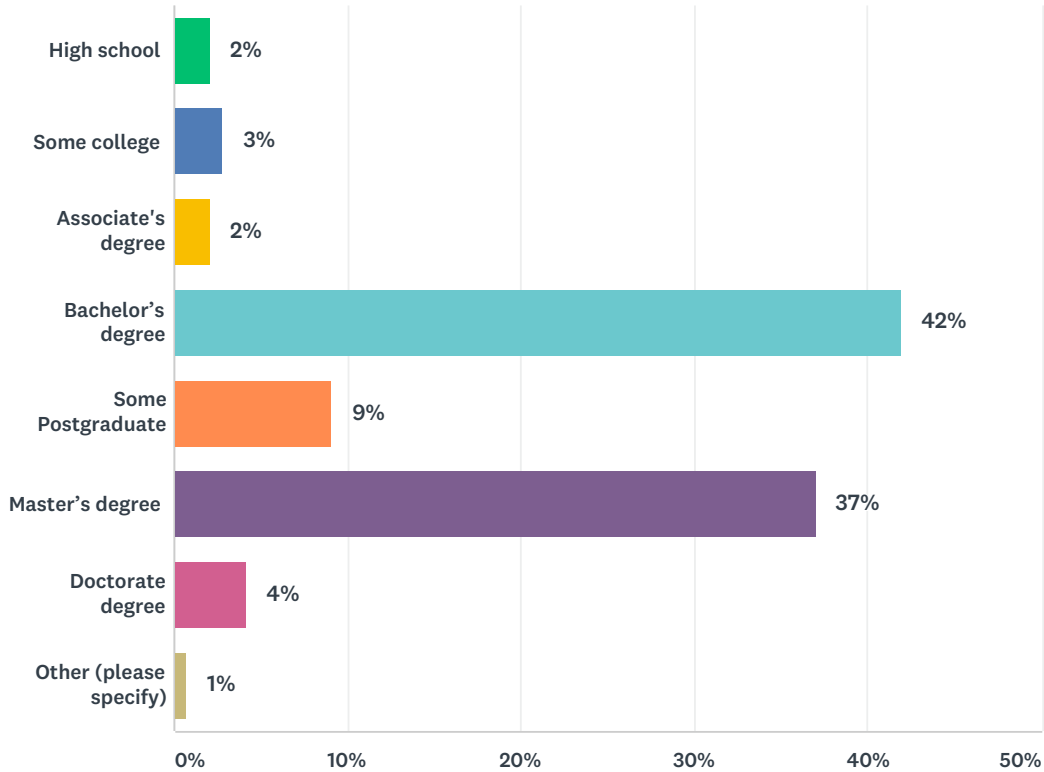
Microsoft Office Suite, SQLite/SpatiaLite, Python

DNR GPS

Python for scripting

Work Order Management

Google Maps/Earth

# Q22 What is the highest level of education you earned?
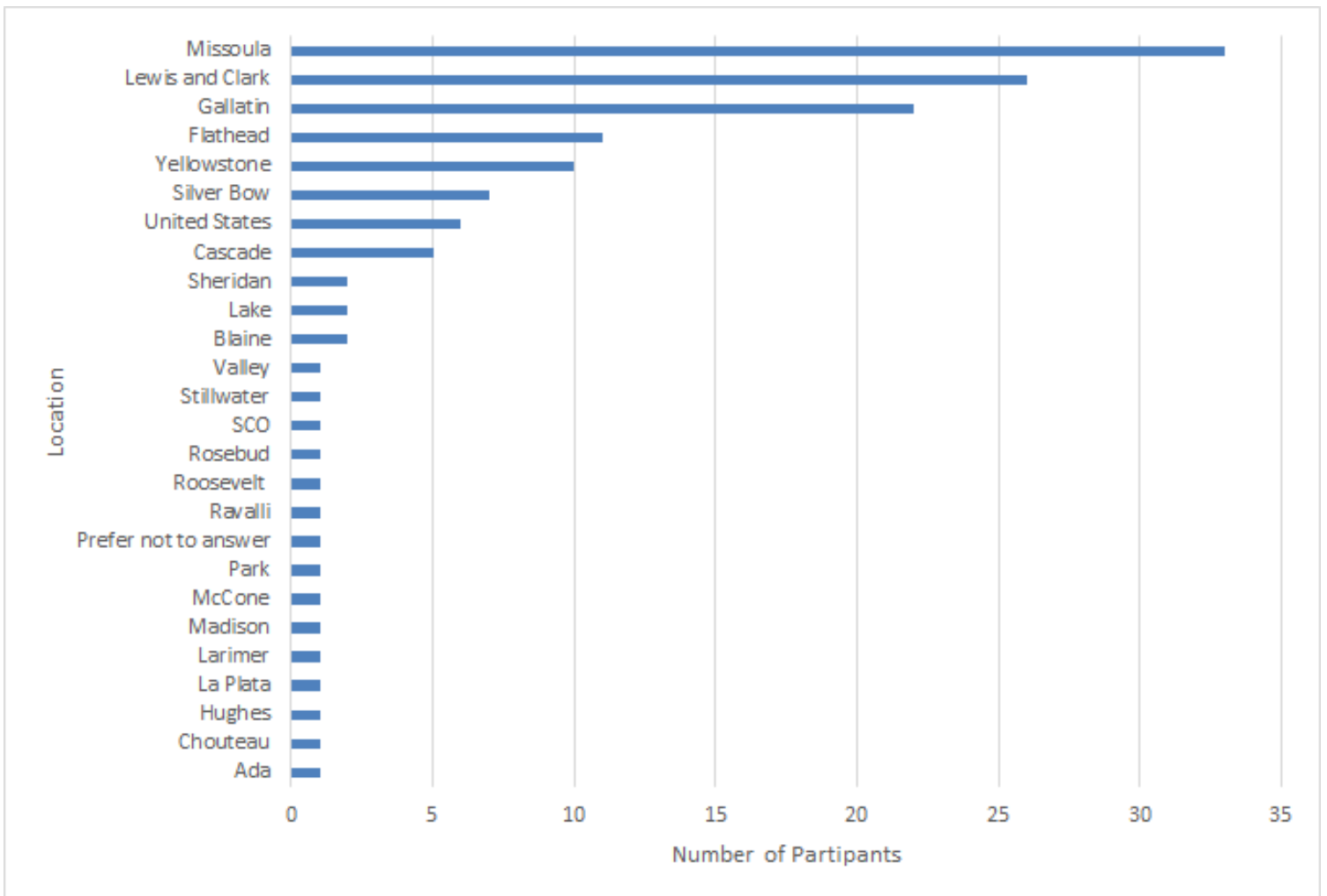
Answered: 143    Skipped: 5



| ANSWER CHOICES | RESPONSES | |
|---|---|---|
| High school | 2% | 3 |
| Some college | 3% | 4 |
| Associate's degree | 2% | 3 |
| Bachelor's degree | 42% | 60 |
| Some Postgraduate | 9% | 13 |
| Master's degree | 37% | 53 |
| Doctorate degree | 4% | 6 |
| Other (please specify) | 1% | 1 |
| TOTAL | | 143 |

| # | OTHER (PLEASE SPECIFY) | DATE |
|---|---|---|
| 1 | Agronomist/hydrology | 2/24/2018 8:22 AM |

# Q23 What county is your office located in?

Answered: 140    Skipped: 8



| What county is your office located in? | Number of Participants | What county is your office located in? | Number of Participants |
|---|---|---|---|
| Ada | 1 | Stillwater | 1 |
| Chouteau | 1 | Valley | 1 |
| Hughes | 1 | Blaine | 2 |
| La Plata | 1 | Lake | 2 |
| Larimer | 1 | Sheridan | 2 |
| Madison | 1 | Cascade | 5 |
| McCone | 1 | United States | 6 |
| Park | 1 | Silver Bow | 7 |
| Prefer not to answer | 1 | Yellowstone | 10 |
| Ravalli | 1 | Flathead | 11 |
| Roosevelt | 1 | Gallatin | 22 |
| Rosebud | 1 | Lewis and Clark | 26 |
| SCO | 1 | Missoula | 33 |

# Q24 What state is your office located in?

Answered: 139      Skipped: 9



MONTANA
(131)

IDAHO
(2)

SOUTH DAKOTA
(1)

WYOMING
(3)

COLORADO
(2)
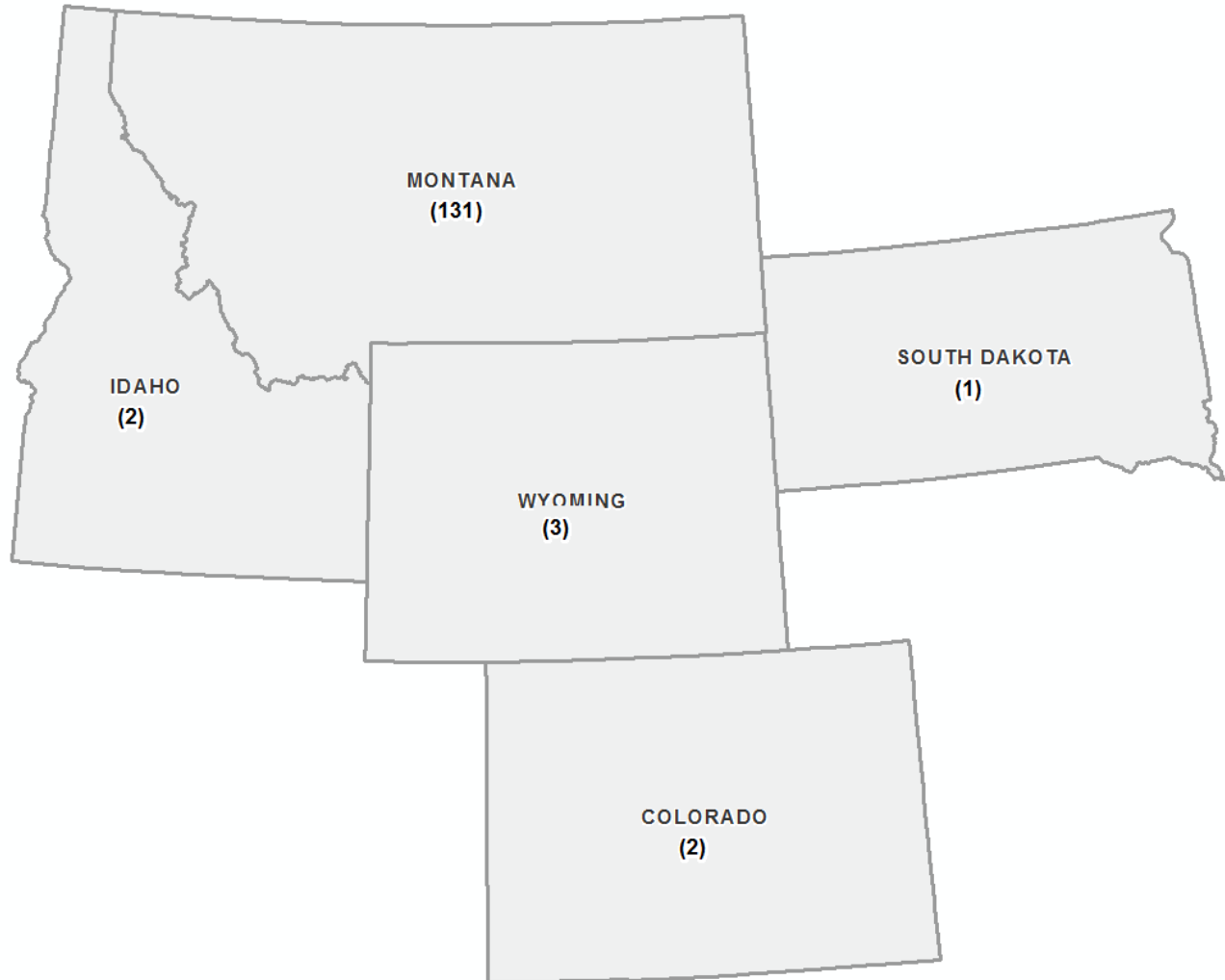
# Q25 What is your gender?

Answered: 140    Skipped: 8
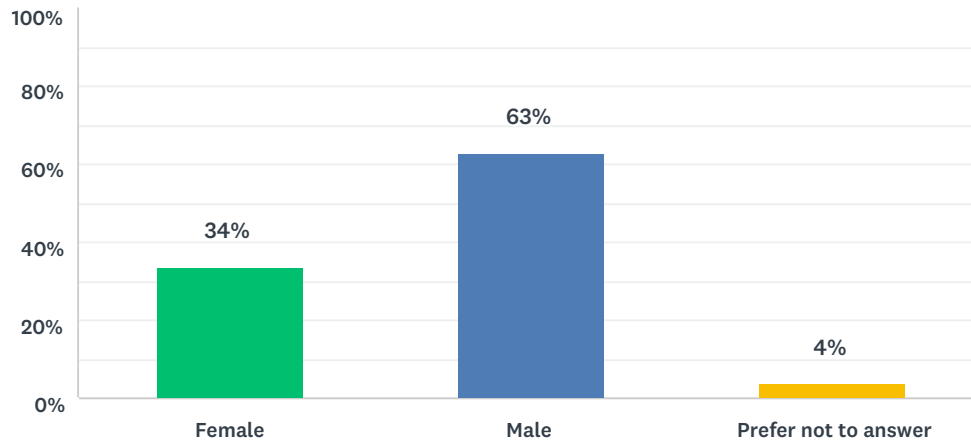


| ANSWER CHOICES | RESPONSES | |
|---|---|---|
| Female | 34% | 47 |
| Male | 63% | 88 |
| Prefer not to answer | 4% | 5 |
| TOTAL | | 140 |

# Q26 What is your age?

Answered: 140    Skipped: 8
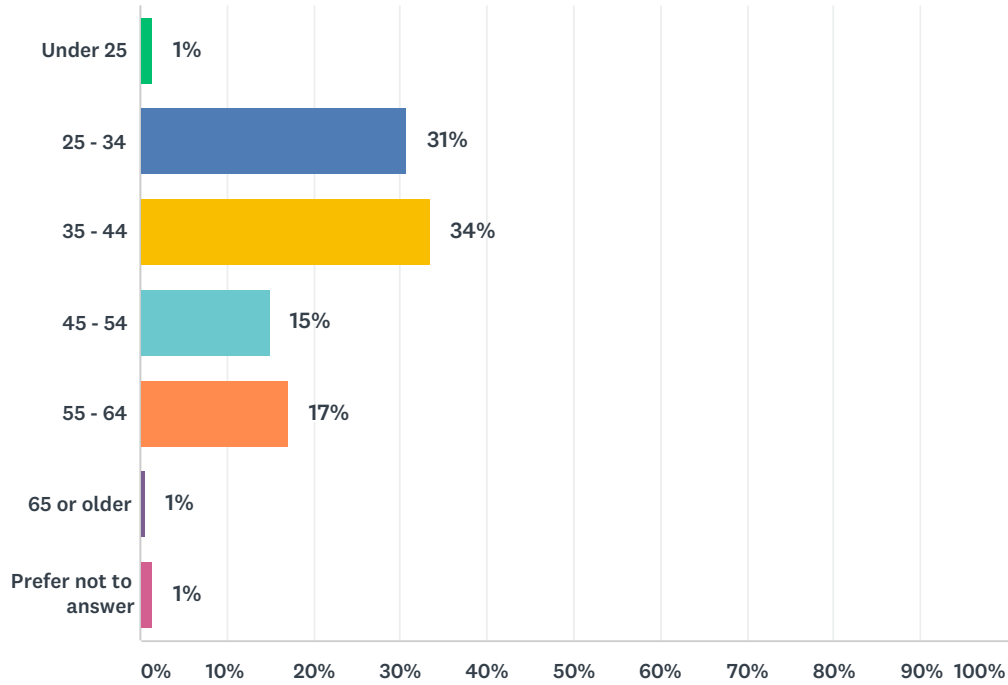


| ANSWER CHOICES | RESPONSES | |
| --- | --- | --- |
| Under 25 | 1% | 2 |
| 25 - 34 | 31% | 43 |
| 35 - 44 | 34% | 47 |
| 45 - 54 | 15% | 21 |
| 55 - 64 | 17% | 24 |
| 65 or older | 1% | 1 |
| Prefer not to answer | 1% | 2 |
| TOTAL | | 140 |

# Q27 Are you a current member of MAGIP?

Answered: 140    Skipped: 8
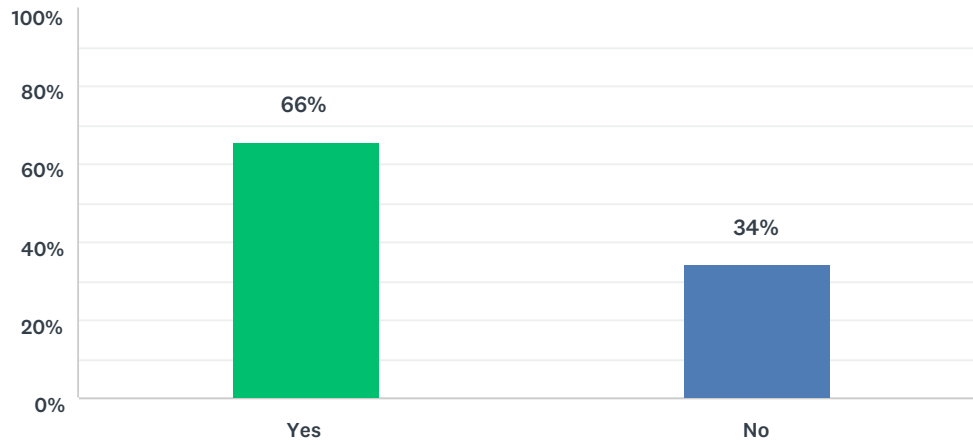


| ANSWER CHOICES | RESPONSES | |
| --- | --- | --- |
| Yes | 66% | 92 |
| No | 34% | 48 |
| TOTAL | | 140 |

## (If yes, please specify how many years)