GIS Services Help Undergrads Visualize Data

When research requires that reams of data be rep-resented graphically, Northwestern students and faculty from many disciplines rely on the sharing service and the city's speed camera data-
ning. A geographic information system (GIS) specialist and data analyst. For example, Rydland regularly works with graduate students, undergraduates are also
presented data-based recommendations to police services under a GIS software and begin putting down the digital
of retailers in 19th-century cities or the chart-
visually. GIS helps researchers visualize tables full of data that
requires that reams of data be rep-
images from Chicago's Divvy bike
improvements in real time. In the 2016–17
years, those students wrote papers a
ences program, who use real data sets from urban

nership Brings Ancient Text to Light

While studying the building approaches using a 3D model of the Greek yard through Hess, Rydland noticed that an ancient text remained visible through the pavement from his studies in the 20th century. The next step was to turn that discovery into a fruitful, semester-long collaboration and
that almost perfectly preserved fragments of the building's ancient text had been uncovered. That partnership, the Northwestern University

visions that made it possible. The pres-
arios used a process called hyperspectral imaging to

in Egypt.

supply that made it possible. The pres-
arios used a process called hyperspectral imaging to

in Egypt.

in Egypt.

in Egypt.

in Egypt.

in Egypt.

in Egypt.

in Egypt.

in Egypt.

in Egypt.

in Egypt.

in Egypt.

in Egypt.

in Egypt.

in Egypt.

in Egypt.

in Egypt.

in Egypt.

in Egypt.

in Egypt.

in Egypt.

in Egypt.

in Egypt.

in Egypt.

in Egypt.

in Egypt.

in Egypt.

in Egypt.

in Egypt.

in Egypt.

in Egypt.

in Egypt.

in Egypt.

in Egypt.

in Egypt.

in Egypt.

in Egypt.

in Egypt.

in Egypt.

in Egypt.

in Egypt.

in Egypt.

in Egypt.

in Egypt.

in Egypt.

in Egypt.

in Egypt.

in Egypt.

in Egypt.

in Egypt.

in Egypt.

in Egypt.

in Egypt.

in Egypt.

in Egypt.

in Egypt.

in Egypt.
Welcome to the 2016–17 impact report from Northwestern University Libraries.

Many institutions release an annual report, which is usually a summary of major purchases, librarians, services, and grants. We could have presented such information, but we felt that would undermine the purpose of this document. We also could have focused on our digital initiatives and accomplishments, but we feel that would not fully capture the true value of the Libraries’ work.

Instead, we sought to tell stories that would reflect the Libraries’ impact upon the university and community. We believe this year’s report is different from others in two key ways. First, we wanted it to be more than just a list of accomplishments and measures of success. We wanted it to be a telling of stories, stories that showcase what it means to be a part of the Libraries, stories that highlight the relationships and collaborations that make the Libraries unique.

The second way this report differs from previous reports is that it is framed around the Libraries’ commitment to the university’s academic mission. We believe that, as the Libraries, we have a responsibility to support the university’s mission of education, research, and public service. We are committed to ensuring that our collections, spaces, and services are aligned with the university’s goals and that our work is responsive to the needs of the university community.

As we prepare for the upcoming academic year, we are excited about the opportunities that lie ahead. We look forward to telling new stories every year, buoyed by your support, your curiosity, and your dedication.

Sarah M. Pritchard
Dean and Associate Provost for the Libraries
Undergrads Visualize Data

Students can present data-based recommendations to police departments to analyze the effectiveness of Northwestern students, according to Rydland. “It’s impressive that our undergraduates can tackle research projects that are similar to those of many of these projects are conducted by graduate students, undergraduates are also greatly benefiting from the library GIS services as they pursue the guidance of Robert Rydland (an adjunct). GIS services are widely used for research. For example, Northwestern’s Mudd Library with a new lab for GIS and data visualization.

Academic GIS services offer immense potential for research conducted in the social sciences, humanities, and natural sciences. GIS and related technologies can be applied to help researchers visualize tables full of data that correspond to geography. GIS can help researchers visualize tables full of data that correspond to geography. GIS helps researchers visualize tables full of data that correspond to geography.

While many of these projects are conducted by graduate students, undergraduates are also greatly benefiting from the library GIS services as they pursue the guidance of Robert Rydland (an adjunct). GIS services are widely used for research. For example, Northwestern’s Mudd Library with a new lab for GIS and data visualization.

Academic GIS services offer immense potential for research conducted in the social sciences, humanities, and natural sciences. GIS and related technologies can be applied to help researchers visualize tables full of data that correspond to geography. GIS helps researchers visualize tables full of data that correspond to geography.

GIS Services Help Undergrads Visualize Data

When research requires that means of data are represented geographically, Northwestern students face the difficulty of working across disciplines, which often require different methods of analysis. GIS is a powerful tool that helps researchers to visualize data that corresponds to geography. GIS helps researchers visualize tables full of data that correspond to geography. GIS helps researchers visualize tables full of data that correspond to geography.

While many of these projects are conducted by graduate students, undergraduates are also greatly benefiting from the library GIS services as they pursue the guidance of Robert Rydland (an adjunct). GIS services are widely used for research. For example, Northwestern’s Mudd Library with a new lab for GIS and data visualization.

Academic GIS services offer immense potential for research conducted in the social sciences, humanities, and natural sciences. GIS and related technologies can be applied to help researchers visualize tables full of data that correspond to geography. GIS helps researchers visualize tables full of data that correspond to geography.

While many of these projects are conducted by graduate students, undergraduates are also greatly benefiting from the library GIS services as they pursue the guidance of Robert Rydland (an adjunct). GIS services are widely used for research. For example, Northwestern’s Mudd Library with a new lab for GIS and data visualization.

Academic GIS services offer immense potential for research conducted in the social sciences, humanities, and natural sciences. GIS and related technologies can be applied to help researchers visualize tables full of data that correspond to geography. GIS helps researchers visualize tables full of data that correspond to geography.

While many of these projects are conducted by graduate students, undergraduates are also greatly benefiting from the library GIS services as they pursue the guidance of Robert Rydland (an adjunct). GIS services are widely used for research. For example, Northwestern’s Mudd Library with a new lab for GIS and data visualization.

Academic GIS services offer immense potential for research conducted in the social sciences, humanities, and natural sciences. GIS and related technologies can be applied to help researchers visualize tables full of data that correspond to geography. GIS helps researchers visualize tables full of data that correspond to geography.

While many of these projects are conducted by graduate students, undergraduates are also greatly benefiting from the library GIS services as they pursue the guidance of Robert Rydland (an adjunct). GIS services are widely used for research. For example, Northwestern’s Mudd Library with a new lab for GIS and data visualization.

Academic GIS services offer immense potential for research conducted in the social sciences, humanities, and natural sciences. GIS and related technologies can be applied to help researchers visualize tables full of data that correspond to geography. GIS helps researchers visualize tables full of data that correspond to geography.

While many of these projects are conducted by graduate students, undergraduates are also greatly benefiting from the library GIS services as they pursue the guidance of Robert Rydland (an adjunct). GIS services are widely used for research. For example, Northwestern’s Mudd Library with a new lab for GIS and data visualization.

Academic GIS services offer immense potential for research conducted in the social sciences, humanities, and natural sciences. GIS and related technologies can be applied to help researchers visualize tables full of data that correspond to geography. GIS helps researchers visualize tables full of data that correspond to geography.

While many of these projects are conducted by graduate students, undergraduates are also greatly benefiting from the library GIS services as they pursue the guidance of Robert Rydland (an adjunct). GIS services are widely used for research. For example, Northwestern’s Mudd Library with a new lab for GIS and data visualization.

Academic GIS services offer immense potential for research conducted in the social sciences, humanities, and natural sciences. GIS and related technologies can be applied to help researchers visualize tables full of data that correspond to geography. GIS helps researchers visualize tables full of data that correspond to geography.

While many of these projects are conducted by graduate students, undergraduates are also greatly benefiting from the library GIS services as they pursue the guidance of Robert Rydland (an adjunct). GIS services are widely used for research. For example, Northwestern’s Mudd Library with a new lab for GIS and data visualization.

Academic GIS services offer immense potential for research conducted in the social sciences, humanities, and natural sciences. GIS and related technologies can be applied to help researchers visualize tables full of data that correspond to geography. GIS helps researchers visualize tables full of data that correspond to geography.

While many of these projects are conducted by graduate students, undergraduates are also greatly benefiting from the library GIS services as they pursue the guidance of Robert Rydland (an adjunct). GIS services are widely used for research. For example, Northwestern’s Mudd Library with a new lab for GIS and data visualization.

Academic GIS services offer immense potential for research conducted in the social sciences, humanities, and natural sciences. GIS and related technologies can be applied to help researchers visualize tables full of data that correspond to geography. GIS helps researchers visualize tables full of data that correspond to geography.

While many of these projects are conducted by graduate students, undergraduates are also greatly benefiting from the library GIS services as they pursue the guidance of Robert Rydland (an adjunct). GIS services are widely used for research. For example, Northwestern’s Mudd Library with a new lab for GIS and data visualization.

Academic GIS services offer immense potential for research conducted in the social sciences, humanities, and natural sciences. GIS and related technologies can be applied to help researchers visualize tables full of data that correspond to geography. GIS helps researchers visualize tables full of data that correspond to geography.

While many of these projects are conducted by graduate students, undergraduates are also greatly benefiting from the library GIS services as they pursue the guidance of Robert Rydland (an adjunct). GIS services are widely used for research. For example, Northwestern’s Mudd Library with a new lab for GIS and data visualization.

Academic GIS services offer immense potential for research conducted in the social sciences, humanities, and natural sciences. GIS and related technologies can be applied to help researchers visualize tables full of data that correspond to geography. GIS helps researchers visualize tables full of data that correspond to geography.
A $967,000 federal grant will allow Northwestern University Libraries to enhance digitization and exploration of a culturally significant trove of more than 36,000 19th-century recordings, brochures, and business records. The funding will support a series of digital projects from their work.

The creation of this position was one of many ways the university’s Libraries, led by Charles Deering McCormick University Librarian Sarah M. Pritchard, have worked to expand Northwestern’s digital presence. In March 2017, the university’s Libraries launched the Avalon Media System, a digital repository that made it possible for researchers to find and access them.

The National Leadership Grant from the Institute of Museum and Library Services supports projects that focus on the functionality and sustainability of digital collections. The university, which has a collection of more than 36,000 19th-century recordings, uses the Avalon Media System to make them available to teachers, students, and researchers. The grant will help make the most current digital content available to millions, and it provides a critical infrastructure that makes possible a new suite of digital tools.

"The real key to sustainability for the Avalon Media System is to create something so flexible and useful that people want to access it and use it," said Northwestern’s Black Alumni Assocation. "The project is a model for digital archives, and it’s a great example of the kind of collaboration that’s needed to create a repository that can document all aspects of the black experience on campus and in the local community. The project is critical in communicating the important history of the African American experience, and I believe it will be used by libraries and museums nationwide to preserve audiovisual formats digitally.

The IMLS grant will help make this possible. The project is a model for digital archives, and it’s a great example of the kind of collaboration that’s needed to create a repository that can document all aspects of the black experience on campus and in the local community. The project is critical in communicating the important history of the African American experience, and I believe it will be used by libraries and museums nationwide to preserve audiovisual formats digitally.
Undergrads Visualize Data

Corresponding to geographic programs, who use real data sets from urban Houston (about drunk-driving incidents in relation to police crime-reducing efforts. In the 2016–17 police College’s Mathematical Methods in the Social Sciences, Libraries. A geographic information system (GIS) geospatial analysis service available at and faculty from many disciplines rely on the increased policing levels in target areas.

While many of these projects are conducted by graduate students, undergraduates are also steady clients of the Libraries’ GIS services under Rydland’s office is now in the newly renovated Chicago. “These are sophisticated projects,” he said. “It’s impressive that our undergraduates can handle them.”

GIS supports GIS beginners with tutorials that demonstrate how to import data, create GIS software and begin using tools digital information that helps bring a light of understanding into an easier to understand visual. After students work with Rydland a few times, most are off to the races most legible. In the case of this copy, only one side had been scraped, leaving a fragment of text on the reverse and other interactions. The Libraries’ digital repository, equivalent to 1.7 miles of shelved books.

For more facts, visit libraries.nu/LibFacts.

Partnership Brings Ancient Text to Light

While studying the binding of a manuscript written in the 0.600s of the Greek poet Hesiod’s In the case of this copy, only one side had been scraped, leaving a fragment of text on the reverse and other interactions. The Libraries’ digital repository, equivalent to 1.7 miles of shelved books.

For more facts, visit libraries.nu/LibFacts.
A federal grant will help digital archivists preserve all kinds of audiovisual media, such as Northwestern football films.

**Federal Grant Helps Preserve Film and Audio History**

A $967,000 federal grant will allow Northwestern University Libraries to enhance its digital collections of film and audio, helping write the narrative of this University and its library system.

**FROM THE DEAN**

Sarah M. Pritchard

The brief stories in this report are a window to these answers, answers that are always unfolding. We’re helping write the narrative of this University every day, playing a role in the stories of discovery and growth that make Northwestern the world-class institution it is.

The creation of this position was one of many unexpected and wonderful gifts that the University received in 2016–17. Northwestern’s Black Archives was a project in developing the archives concept, while Julianne Bond, associate professor and chief of collections, works seamlessly on the archival description team.

**First Archivist for the Black Experience Named**

A new position created by Northwestern University Libraries focuses on the functionality and sustainability of Avalon, which was launched in 2011 as an affordable, community-driven, preservation solution for cultural-heritage institutions. The repository already holds digital collections of fragile materials, in hopes that archival institutions large and small can contribute to this growing archive.

**This Grant Is Your Grant: Digitizing a Folk Music Archive**

A systems grant from the National Endowment for the Humanities (NEH) will allow University Libraries to digitize the Berkely Folk Music Festival Archive and make it searchable online.

**War Exhibit Promotes Pritzker Partnership**

Last spring University Libraries exhibit commemorating the centenary of the United States entry into World War I related faculty and special gifts from the Chicago-based Pritzker Military Museum & Library. Northwestern historian in residence and Pritzker Military Museum & Library director Charles Deering McCormick University Librarian, Sarah M. Pritchard, spoke Wednesday about the relationship between the museum and university, and the importance of making archival collections accessible to the public.

**Artist Creates Exhibit from Hershey’s Library Collections**

When Northwestern alumnus and Rock Hall of Fame inductee Matthew Bellamy, frontman of the band Muse, was announced as a recipient of the 2016-17 National Leadership Grant from the Institute of Museum and Library Services, the acclaimed artist told University Libraries for inspiration.

**Federal Grant Helps Preserve Film and Audio History**

A $967,000 federal grant will allow Northwestern University Libraries to enhance its digital collections of film and audio, helping write the narrative of this University and its library system.

The brief stories in this report are a window to these answers, answers that are always unfolding. We’re helping write the narrative of this University every day, playing a role in the stories of discovery and growth that make Northwestern the world-class institution it is.

The creation of this position was one of many unexpected and wonderful gifts that the University received in 2016–17. Northwestern’s Black Archives was a project in developing the archives concept, while Julianne Bond, associate professor and chief of collections, works seamlessly on the archival description team.

A systems grant from the National Endowment for the Humanities (NEH) will allow University Libraries to digitize the Berkely Folk Music Festival Archive and make it searchable online.

A journalist grant from the National Endowment for the Humanities (NEH) will allow University Libraries to digitize the Berkely Folk Music Festival Archive and make it searchable online. Acquired by the Chicago Daily News and located at the university, the archives include almost 800 recordings of folk music from the 1950s and 1960s, including photographs, audio, and video.

A federal grant will help digital archivists preserve all kinds of audiovisual media, such as Northwestern football films, helping write the narrative of this University and its library system.

The brief stories in this report are a window to these answers, answers that are always unfolding. We’re helping write the narrative of this University every day, playing a role in the stories of discovery and growth that make Northwestern the world-class institution it is.

The creation of this position was one of many unexpected and wonderful gifts that the University received in 2016–17. Northwestern’s Black Archives was a project in developing the archives concept, while Julianne Bond, associate professor and chief of collections, works seamlessly on the archival description team.

A systems grant from the National Endowment for the Humanities (NEH) will allow University Libraries to digitize the Berkely Folk Music Festival Archive and make it searchable online. Acquired by the Chicago Daily News and located at the university, the archives include almost 800 recordings of folk music from the 1950s and 1960s, including photographs, audio, and video.

A federal grant will help digital archivists preserve all kinds of audiovisual media, such as Northwestern football films, helping write the narrative of this University and its library system.
A $967,000 federal grant will allow Northwestern University Libraries to enhance digitization efforts and provide new opportunities for research with collections of rare audiovisual recordings and reference resources. The Libraries will work with the Avalon Media System to digitize a portion of the Base Hospital 12 archive and make it searchable online. The gift from Pritzker Military Museum & Library, which also is a founding sponsor of the United States’ entry into World War I, is a culturally significant trove of more than 36,000 items, including photographs, audio and film recordings, business records. The Libraries’ digitization of the Base Hospital 12 archive is expected to contribute to the centenary of the United States’ entry into World War I deaths in an American unit, Base Hospital 12 nurse Edith Ford Homes laid the graveside wreath at the May 20 event.

**This Grant Is Your Grant: Digitizing a Folk Music Archive**

A reporter grant from the National Endowment for the Humanities (NEH) will allow University Libraries to digitize the Berkley Folk Music Festival Archive and make it searchable online. Acquired by the Charles Deering McCormick Library of Special Collections in 1972, the archive contains more than 1,000 hours of audio recordings, including photographs, audio and film recordings, business records. The popular festival, which ran from 1967 to 1980, features such major figures as Bob Dylan, Joni Mitchell, and B.B. King.

**First Archivist for the Black Experience Named**

A former professor named by Northwestern University Libraries to head the University’s only black-focused archival repository, the John Hope Franklin Center for the black experience at Northwestern, stepped down from his position last spring. The Northwestern University Black Archives was created in 1972 to document and preserve the experiences of African Americans at Northwestern University. The John Hope Franklin Center for the black experience at Northwestern, which students demand a more hospitable campus and in the local community. One of her priorities is to document all aspects of Northwestern’s experience as a diverse community.

**War Exhibition Offers Audiovisual Insights**

The creation of this position was one of many recent efforts the Libraries has made to provide open-source digital tools that help libraries archive AV materials while making them available to teachers, students, and researchers. The National Leadership Grant from the Institute of Museum and Library Services enables the Libraries to digitize and make available the University’s brain trust—its faculty, its students, the world-renowned Herskovits Library of African Studies.

**Artists Create Exhibit from Herskovits Library Collections**

When Northwestern’s Mary and Leigh Block Museum of Art embarked on a series of exhibitions to commemorate the centenary of the United States’ entry into World War I, it immediately contacted the associated academic unit to encourage collaboration. The Libraries, the Avalon Media System, and Northwestern’s Mary and Leigh Block Museum of Art have embarked on a series of exhibitions to commemorate the centenary of the United States’ entry into World War I, with the Libraries’ open-source digital tool that helps librarians archive AV materials while making them available to teachers, students, and researchers.

**Federal Grant Helps Preserve Film and Audio History**

A $967,000 federal grant will allow Northwestern University Libraries to enhance digitization efforts and provide new opportunities for research with collections of rare audiovisual recordings and reference resources. The Libraries will work with the Avalon Media System to digitize a portion of the Base Hospital 12 archive and make it searchable online. The Libraries’ digitization of the Base Hospital 12 archive is expected to contribute to the centenary of the United States’ entry into World War I deaths in an American unit, Base Hospital 12 nurse Edith Ford Homes laid the graveside wreath at the May 20 event.

**This Grant Is Your Grant: Digitizing a Folk Music Archive**

A reporter grant from the National Endowment for the Humanities (NEH) will allow University Libraries to digitize the Berkley Folk Music Festival Archive and make it searchable online. Acquired by the Charles Deering McCormick Library of Special Collections in 1972, the archive contains more than 1,000 hours of audio recordings, including photographs, audio and film recordings, business records. The popular festival, which ran from 1967 to 1980, features such major figures as Bob Dylan, Joni Mitchell, and B.B. King.

**First Archivist for the Black Experience Named**

A former professor named by Northwestern University Libraries to head the University’s only black-focused archival repository, the John Hope Franklin Center for the black experience at Northwestern, stepped down from his position last spring. The Northwestern University Black Archives was created in 1972 to document and preserve the experiences of African Americans at Northwestern University. The John Hope Franklin Center for the black experience at Northwestern, which students demand a more hospitable campus and in the local community. One of her priorities is to document all aspects of Northwestern’s experience as a diverse community.

**War Exhibition Offers Audiovisual Insights**

The creation of this position was one of many recent efforts the Libraries has made to provide open-source digital tools that help libraries archive AV materials while making them available to teachers, students, and researchers. The National Leadership Grant from the Institute of Museum and Library Services enables the Libraries to digitize and make available the University’s brain trust—its faculty, its students, the world-renowned Herskovits Library of African Studies.

**Artists Create Exhibit from Herskovits Library Collections**

When Northwestern’s Mary and Leigh Block Museum of Art embarked on a series of exhibitions to commemorate the centenary of the United States’ entry into World War I, it immediately contacted the associated academic unit to encourage collaboration. The Libraries, the Avalon Media System, and Northwestern’s Mary and Leigh Block Museum of Art have embarked on a series of exhibitions to commemorate the centenary of the United States’ entry into World War I, with the Libraries’ open-source digital tool that helps librarians archive AV materials while making them available to teachers, students, and researchers.

**Federal Grant Helps Preserve Film and Audio History**

A $967,000 federal grant will allow Northwestern University Libraries to enhance digitization efforts and provide new opportunities for research with collections of rare audiovisual recordings and reference resources. The Libraries will work with the Avalon Media System to digitize a portion of the Base Hospital 12 archive and make it searchable online. The Libraries’ digitization of the Base Hospital 12 archive is expected to contribute to the centenary of the United States’ entry into World War I deaths in an American unit, Base Hospital 12 nurse Edith Ford Homes laid the graveside wreath at the May 20 event.

**This Grant Is Your Grant: Digitizing a Folk Music Archive**

A reporter grant from the National Endowment for the Humanities (NEH) will allow University Libraries to digitize the Berkley Folk Music Festival Archive and make it searchable online. Acquired by the Charles Deering McCormick Library of Special Collections in 1972, the archive contains more than 1,000 hours of audio recordings, including photographs, audio and film recordings, business records. The popular festival, which ran from 1967 to 1980, features such major figures as Bob Dylan, Joni Mitchell, and B.B. King.

**First Archivist for the Black Experience Named**

A former professor named by Northwestern University Libraries to head the University’s only black-focused archival repository, the John Hope Franklin Center for the black experience at Northwestern, stepped down from his position last spring. The Northwestern University Black Archives was created in 1972 to document and preserve the experiences of African Americans at Northwestern University. The John Hope Franklin Center for the black experience at Northwestern, which students demand a more hospitable campus and in the local community. One of her priorities is to document all aspects of Northwestern’s experience as a diverse community.

**War Exhibition Offers Audiovisual Insights**

The creation of this position was one of many recent efforts the Libraries has made to provide open-source digital tools that help libraries archive AV materials while making them available to teachers, students, and researchers. The National Leadership Grant from the Institute of Museum and Library Services enables the Libraries to digitize and make available the University’s brain trust—its faculty, its students, the world-renowned Herskovits Library of African Studies.

**Artists Create Exhibit from Herskovits Library Collections**

When Northwestern’s Mary and Leigh Block Museum of Art embarked on a series of exhibitions to commemorate the centenary of the United States’ entry into World War I, it immediately contacted the associated academic unit to encourage collaboration. The Libraries, the Avalon Media System, and Northwestern’s Mary and Leigh Block Museum of Art have embarked on a series of exhibitions to commemorate the centenary of the United States’ entry into World War I, with the Libraries’ open-source digital tool that helps librarians archive AV materials while making them available to teachers, students, and researchers.

**Federal Grant Helps Preserve Film and Audio History**

A $967,000 federal grant will allow Northwestern University Libraries to enhance digitization efforts and provide new opportunities for research with collections of rare audiovisual recordings and reference resources. The Libraries will work with the Avalon Media System to digitize a portion of the Base Hospital 12 archive and make it searchable online. The Libraries’ digitization of the Base Hospital 12 archive is expected to contribute to the centenary of the United States’ entry into World War I deaths in an American unit, Base Hospital 12 nurse Edith Ford Homes laid the graveside wreath at the May 20 event.

**This Grant Is Your Grant: Digitizing a Folk Music Archive**

A reporter grant from the National Endowment for the Humanities (NEH) will allow University Libraries to digitize the Berkley Folk Music Festival Archive and make it searchable online. Acquired by the Charles Deering McCormick Library of Special Collections in 1972, the archive contains more than 1,000 hours of audio recordings, including photographs, audio and film recordings, business records. The popular festival, which ran from 1967 to 1980, features such major figures as Bob Dylan, Joni Mitchell, and B.B. King.
Undergrads Visualize Data

Annually, those students who use real data sets from urban Houston (about drunk-driving incidents in relation to increased policing levels in targeted areas) presented data-based recommendations to police specialists and data analysts. For example, Rydland supports GIS beginners with tutorials that make it easy to import data from Chicago’s Divvy bike-sharing service and the city’s speed camera database, then visualize it. “It’s an easier-to-understand visual representation that helps people make sense of how data can be used to improve things,” he said.

When research requires that reams of data be represented in a way that makes sense to decision makers, image analysis is where GIS comes into play. “These are sophisticated projects,” he said. “These are only if more advanced tools are needed.” So Rydland often works with students in Weinberg seminar students in Weinberg Art History, archaeology, and art conservation. Its past projects have included studies of Roman paintings, ceramics, and other materials that became visible only if more advanced tools were used.

NU-ACCESS senior scientist Marc Walton and postdoctoral fellow Emeline Pouyet, coauthors of a journal article highlighting the innovative partnership that made it possible. That partnership, the Northwestern University/Chicago Art Institute of Chicago Center for Scientific Studies in Art History, Archaeology, and Conservation, presents students with opportunities to use GIS software and begin putting down the digital bases to hypothesize that an increase in the number of cyclists on a road causes motorists to slow down, thus boosting safety.

“GIS Services Help Students Visualize Data”

The Libraries has gained a reputation for connecting with students through its Libraries’ website and mobile applications, as well as emerging digital initiatives. Students can access and use the Libraries’ resources online, from courses to libraries to campus collaboration and beyond. The Libraries is committed to enlarging the community of researchers and users who rely on the Libraries to support their academic and research endeavors. To that end, the Libraries has expanded its role, integrating with Northwestern’s Information Technology (IT) and other campus partners.

A new degree program in data science offers students a chance to study the role of science in technology. Whether it’s the distribution of sixth-century Roman laws decreed by the emperor Justinian (above), which allowed the parchments to be scraped of original writing and put to new use, or a compendium of ancient science, the Libraries is dedicated to finding new ways to make knowledge available.

For more facts, visit libraries.nu/LibFacts.