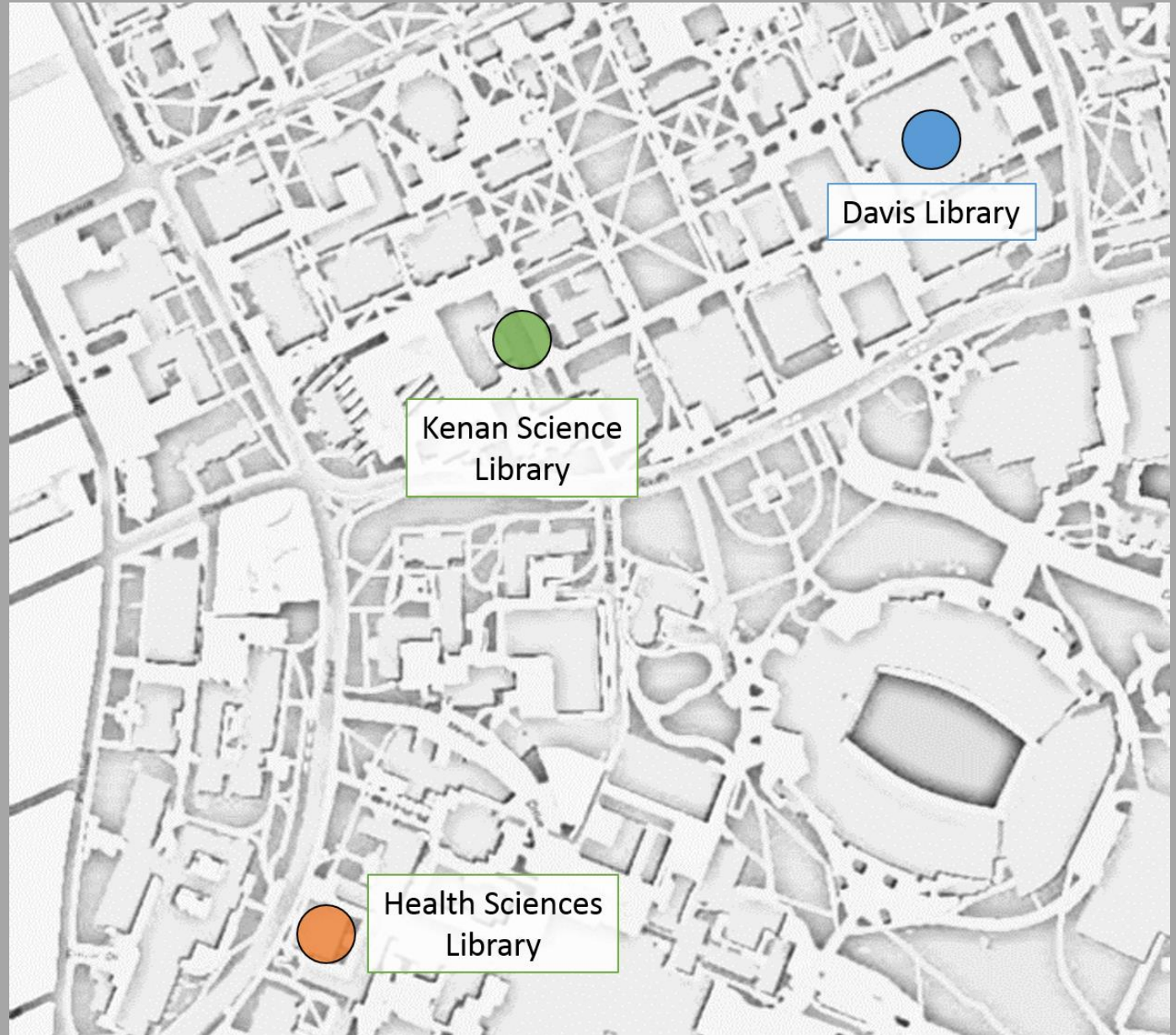


Welcome to the Davis Library Research Hub

RESEARCH
HUB

@ UNC Libraries



UNC
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Humanities

DocSouth Data

Documenting the American South
docsouth.unc.edu/docsouthdata



DOCUMENTING
the American South

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DOCUMENTING
the American South

PRIMARY RESOURCES FOR THE STUDY OF SOUTHERN HISTORY, LITERATURE, AND CULTURE

Documenting the American South (DocSouth) is a digital publishing initiative that provides Internet access to texts, images, and audio files related to southern history, literature, and culture. Currently DocSouth includes sixteen thematic collections of books, diaries, posters, artifacts, letters, oral history interviews, and songs.

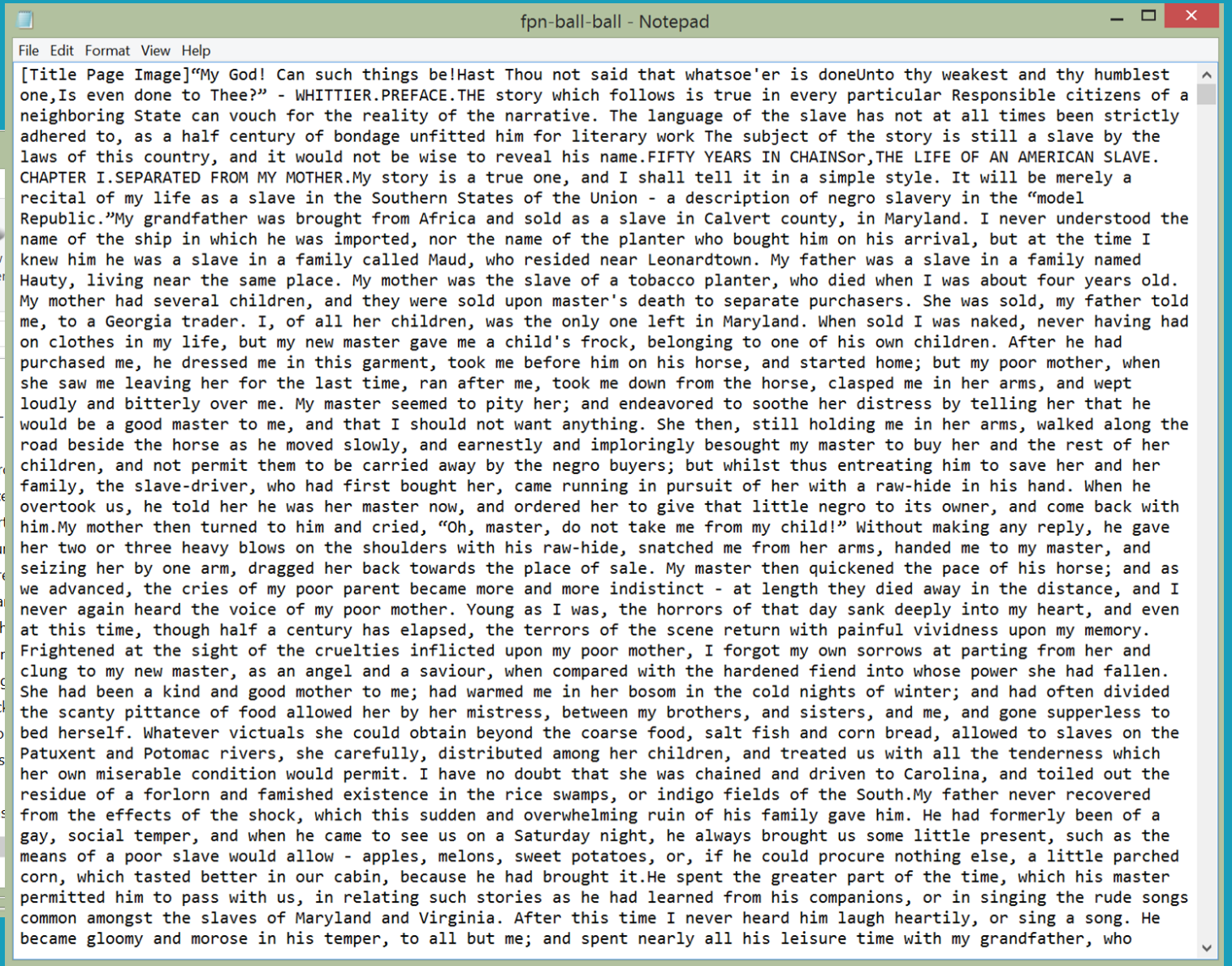
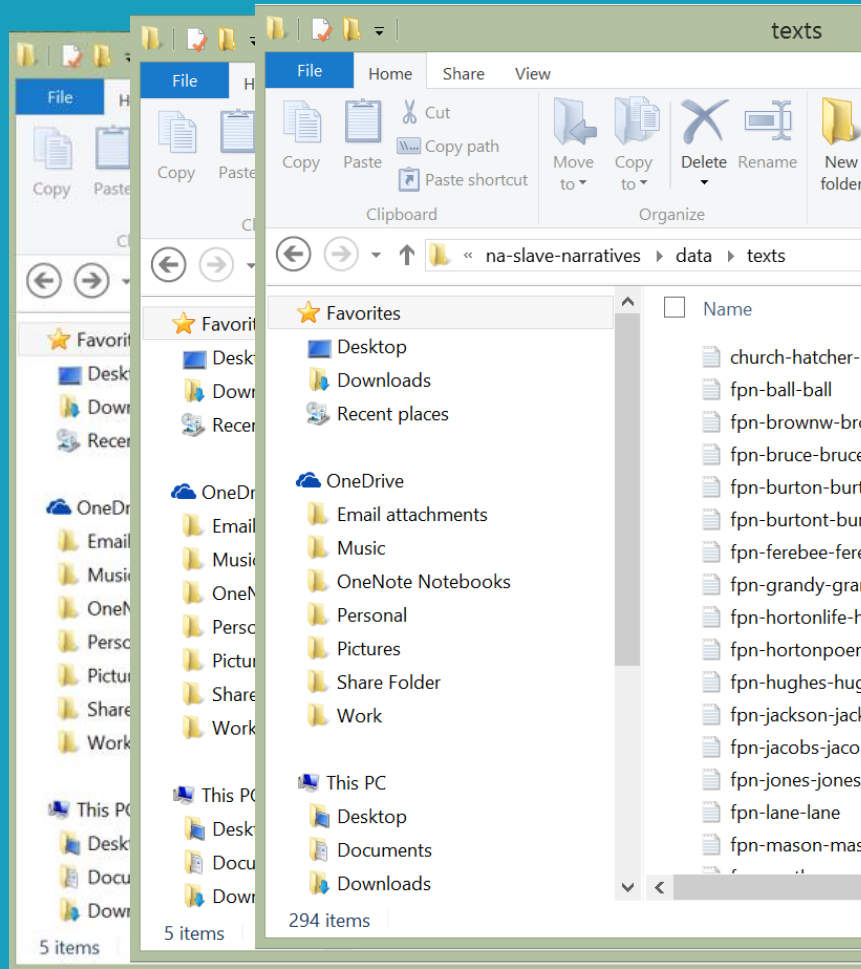
The University Library of the University of North Carolina at Chapel Hill sponsors *Documenting the American South*, and the texts and materials come primarily from its southern holdings. The UNC University Library is committed to the long-term availability of these collections and their online records. An [editorial board](#) guides development of this digital library.

Contact Us | FAQ | DocSouth Data | Home | UNC Library | UNC-Chapel Hill

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Doc South Data



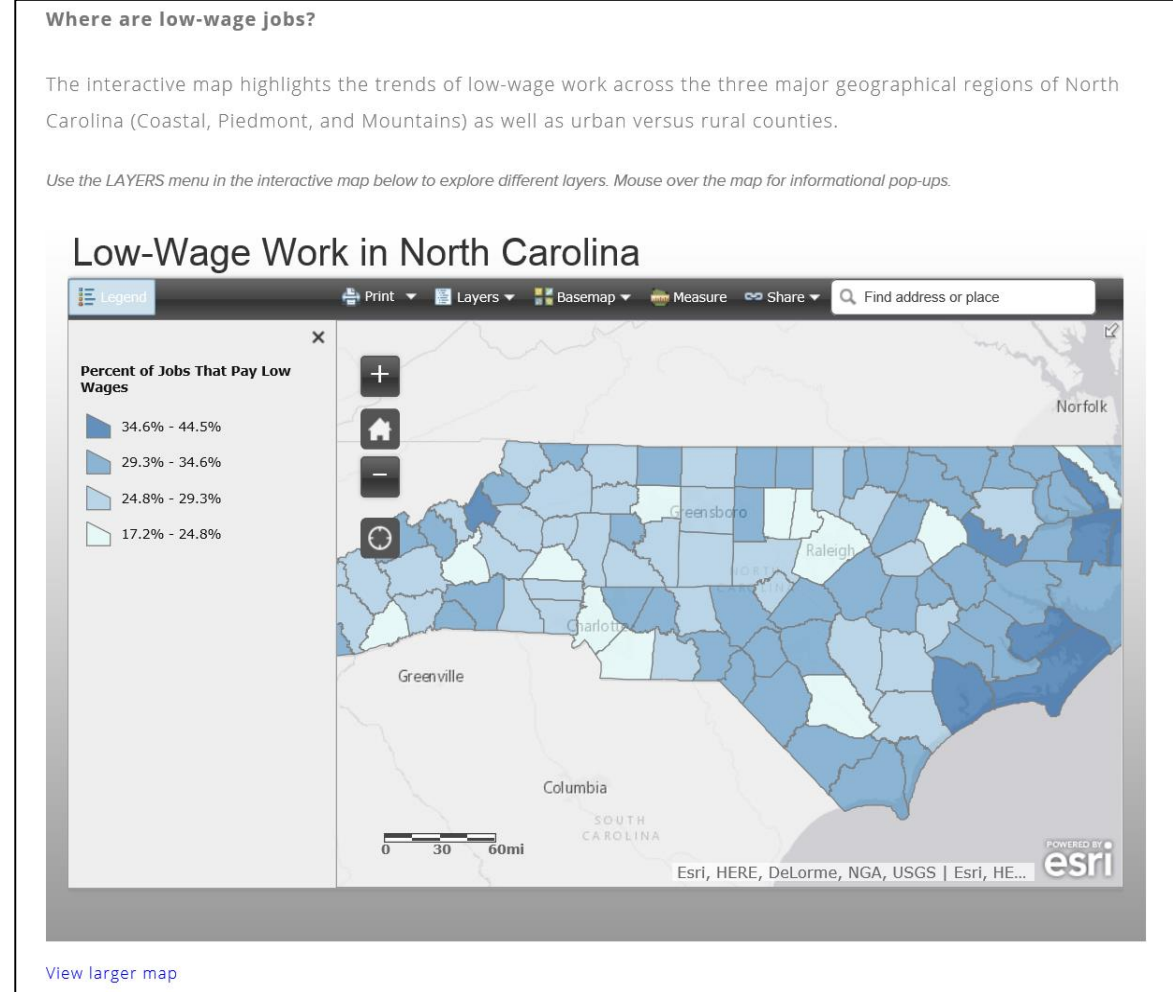
Social Sciences

Low Wage NC

- <http://www.lowwagenc.org/>

City and Regional Planning class
Librarians taught students about

- Data sources
- Online mapping
- Visualization tools
- Graphic design



Social Sciences

Percent of the population in households with garbage collection by municipality and state 2010



MUNICIPALITIES USED IN PICTURES

YEAR	Municipality	A	B	C	D	E	F	G	H	I
2010	INHAPI	2.59	38.00	0.67	84.09	45.93	67.45	17898	42.20	2.52
2010	COLÔNIA LEOPOLDINA	2.96	41.70	0.53	72.38	39.98	61.40	20019	8.23	15.69
2010	JAPOATÁ	2.73	37.70	0.49	71.84	36.24	45.13	12938	20.88	7.02
2010	OLINDA	1.66	17.50	0.44	32.53	17.74	30.44	1409	0.00	0.00

KEY:
A- Fertility Rate
B- Infant Mortality
C- GINI Coefficient
D- Percent of People Vulnerable to Poverty
E- Percent of Households with Population Density Greater than 2
F- Percent of Households with No Primary Education





Social Sciences

Political Science

Librarians visited the class and helped students find and analyze data to test their research hypotheses.

Broad types of data analysis:

- Text frequencies
- Cross-tabulations



Sciences

RESEARCH

HUB

@ Health Sciences Library

Health Sciences

- Provides assistance finding data
- Research Data Management (Data Management Plans, etc.)
- Offers an active training program – examples:
 - UNIX for Biologists
 - Web Mapping with ArcGIS Online
 - GeoServices in Health Informatics

Sciences

Data Wrangling Workshop

<http://datawrangling.web.unc.edu/>

- Cleaning data using Excel and OpenRefine
- Analyzing data using R, and RStudio and SQL
- Data visualization using GGPLOT2

Data Wrangling Workshop



Background

Posted on [January 27, 2016](#) by [Matthew Jansen](#)

Do you have data in Excel that you need to clean up and manipulate? Want to learn R? **Familiarity with R is not required.** Wondering how SQL can help you manage data?

Topics covered:

- Excel – Introduction to Excel for data
- OpenRefine – Cleaning and standardizing data
- R and RStudio – Data analysis and visualization
- SQL – Data management

 Search

Recent Posts

- [Background](#)

Recent Comments

- [WebDotUNC Team on Background](#)

Archives

- [January 2016](#)

Categories

- [Uncategorized](#)

Sciences

Data Literacy Module for General Chemistry

Students will develop skills to ensure their data are:

- Accessible
- Discoverable
- Secure
- Archived
- Citable

Periodic Table of the Elements																		18 VIIIA 8A
1 11A 11A																	2 He Helium 4.00260	
1 H Hydrogen 1.0079	2 IIA 2A											13 IIIA 3A	14 IVA 4A	15 VA 5A	16 VIA 6A	17 VIIA 7A		
3 Li Lithium 6.941	4 Be Beryllium 9.01218											5 B Boron 10.811	6 C Carbon 12.011	7 N Nitrogen 14.00674	8 O Oxygen 15.9994	9 F Fluorine 18.998403	10 Ne Neon 20.1797	
11 Na Sodium 22.989768	12 Mg Magnesium 24.305	3 IIIB 3B	4 IVB 4B	5 VB 5B	6 VIB 6B	7 VIIB 7B	8 VIII 8	9 VIII 8	10 VIII 8	11 IB 1B	12 IIB 2B	13 Al Aluminum 26.981539	14 Si Silicon 28.0855	15 P Phosphorus 30.973762	16 S Sulfur 32.065	17 Cl Chlorine 35.4527	18 Ar Argon 39.948	
19 K Potassium 39.0983	20 Ca Calcium 40.078	21 Sc Scandium 44.95591	22 Ti Titanium 47.88	23 V Vanadium 50.9415	24 Cr Chromium 51.9961	25 Mn Manganese 54.938	26 Fe Iron 55.847	27 Co Cobalt 58.9332	28 Ni Nickel 58.6934	29 Cu Copper 63.546	30 Zn Zinc 65.39	31 Ga Gallium 69.723	32 Ge Germanium 72.64	33 As Arsenic 74.92159	34 Se Selenium 78.96	35 Br Bromine 79.904	36 Kr Krypton 83.80	
37 Rb Rubidium 85.4678	38 Sr Strontium 87.62	39 Y Yttrium 88.90585	40 Zr Zirconium 91.224	41 Nb Niobium 92.90638	42 Mo Molybdenum 95.94	43 Tc Technetium 98.9072	44 Ru Ruthenium 101.07	45 Rh Rhodium 102.9055	46 Pd Palladium 106.42	47 Ag Silver 107.8682	48 Cd Cadmium 112.411	49 In Indium 114.818	50 Sn Tin 118.71	51 Sb Antimony 121.760	52 Te Tellurium 127.6	53 I Iodine 126.90447	54 Xe Xenon 131.29	
55 Cs Cesium 132.90543	56 Ba Barium 137.327	57-71 Lanthanide Series		72 Hf Hafnium 178.49	73 Ta Tantalum 180.9479	74 W Tungsten 183.85	75 Re Rhenium 186.207	76 Os Osmium 190.23	77 Ir Iridium 192.22	78 Pt Platinum 195.08	79 Au Gold 196.9665	80 Hg Mercury 200.59	81 Tl Thallium 204.3833	82 Pb Lead 207.2	83 Bi Bismuth 208.98037	84 Po Polonium [209]	85 At Astatine [210]	86 Rn Radon [222]
87 Fr Francium [223]	88 Ra Radium [226]	89-103 Actinide Series		104 Rf Rutherfordium [261]	105 Db Dubnium [262]	106 Sg Seaborgium [266]	107 Bh Bohrium [264]	108 Hs Hassium [277]	109 Mt Meitnerium [268]	110 Ds Darmstadtium [281]	111 Rg Roentgenium [272]	112 Cn Copernicium [285]	113 Uut Ununtrium [284]	114 Uuq Ununquadium [289]	115 Uup Ununpentium [288]	116 Uuh Ununhexium [289]	117 Uus Ununseptium [289]	118 Uuo Ununoctium [294]
Lanthanide Series				57 La Lanthanum 138.9055	58 Ce Cerium 140.115	59 Pr Praseodymium 140.90765	60 Nd Neodymium 144.24	61 Pm Promethium 144.9127	62 Sm Samarium 150.36	63 Eu Europium 151.9655	64 Gd Gadolinium 157.25	65 Tb Terbium 158.92534	66 Dy Dysprosium 162.50	67 Ho Holmium 164.93032	68 Er Erbium 167.26	69 Tm Thulium 168.93421	70 Yb Ytterbium 173.04	71 Lu Lutetium 174.967
Actinide Series				89 Ac Actinium 227.0278	90 Th Thorium 232.0381	91 Pa Protactinium 231.03688	92 U Uranium 238.0289	93 Np Neptunium 237.0482	94 Pu Plutonium 244.0642	95 Am Americium 243.0614	96 Cm Curium 247.0703	97 Bk Berkelium 247.0703	98 Cf Californium 251.0796	99 Es Einsteinium [254]	100 Fm Fermium 257.0951	101 Md Mendelevium 258.1	102 No Nobelium 259.1009	103 Lr Lawrencium [262]
				Alkali Metal	Alkaline Earth	Transition Metal	Basic Metal	Semimetals	Nonmetals	Halogens	Noble Gas	Lanthanides	Actinides					

Additional Resources from the Library

Teaching Data guide: <http://guides.lib.unc.edu/teachingdata>.

Data citations guide: <http://guides.lib.unc.edu/citedata>The

Request that the Library purchase a data set:
<http://library.unc.edu/services/data/purchase/>