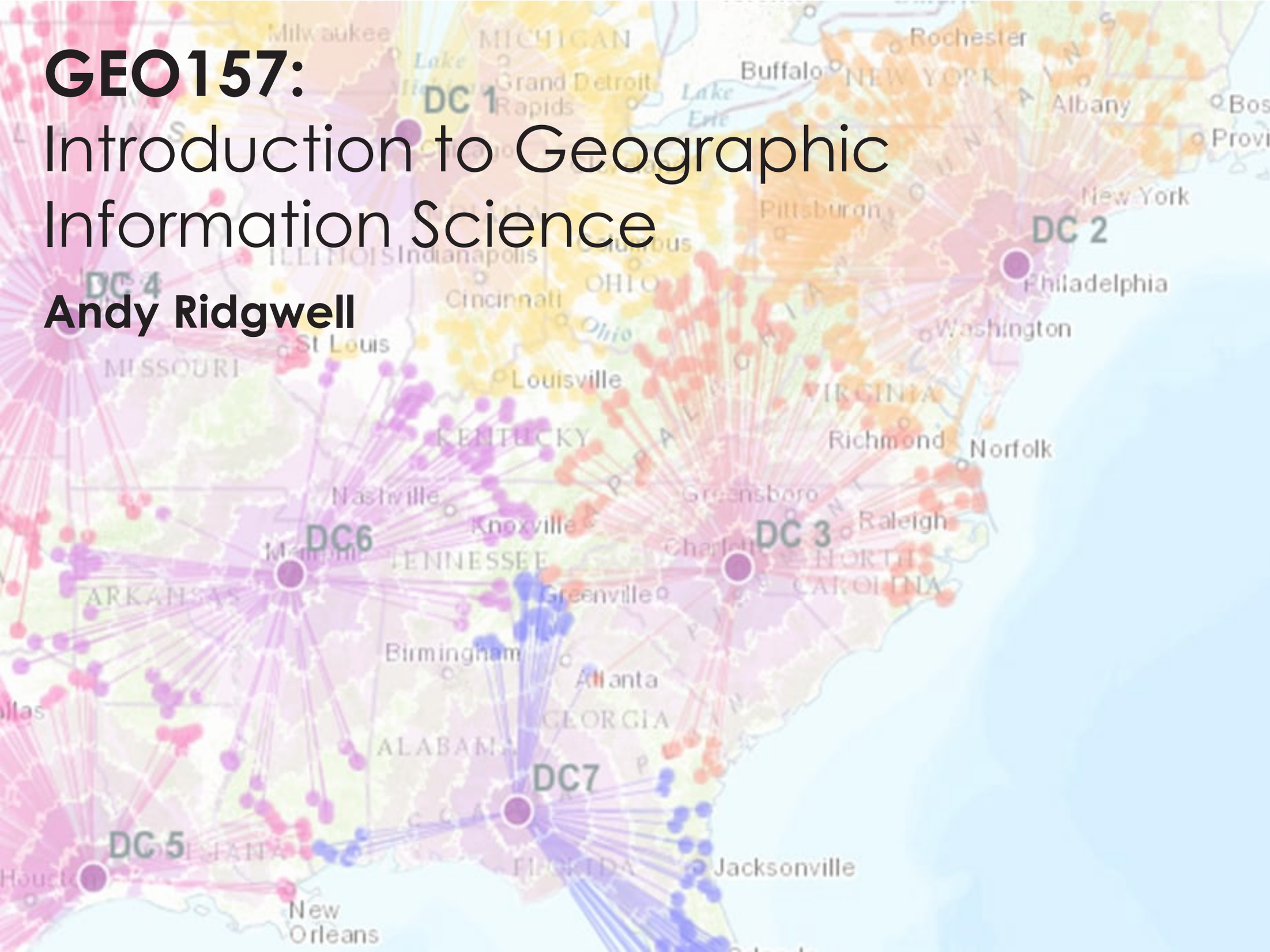
GEO157:
Introduction to Geographic Information Science

Andy Ridgwell



GEO157

WEEK	Monday am (1) *Lecture A* *09:10-10:30* *Sproul 2225*	Monday am (2) *Lecture B* *10:40-12:00* *Sproul 2225*	Monday *Office Hours:* *12-2 pm*	Friday am *LAB* *09:10-12:00* *Sproul 2225*	Friday *Exrta lab hours:* *12-2 pm*
(#1) 2nd / 6th April	**Course introduction**			**fake 'fieldwork' fun**	
	Course introduction and logistics. Laptop software installation.			Paper-based and web-based GIS-like problems.	
(#2) 9th / 13th April	**Lecture 1, Discussion**	**Lecture 2**		**Lab 1**	
	Chapter 1: What is GIS?	Chapter 2: Spatial data		Digitizing	
	Problem Set 0 due	**Problem Set 1 (Ch. 1)**			
(#3) 16th / 20th April	**Worked problems**	**Lecture 3**		**Lab 2**	
		Chapter 3: Spatial data modelling		GPS, Georeferencing, and Geocoding	
	Problem Set 1 due	**Problem Set 2 (Ch. 2+3)**		**Lab 1 due**	
(#4) 23rd / 27th April	**Worked problems**	**Lecture 4**		**Lab 3**	
		Chapter 4: Database management		Interpolating weather	
	Problem Set 2 due			**Lab 2 due**	
(#5) 30th / 4th May	**Worked problems**	**Lecture 5**		**Lab 4**	
		Chapter 5: Data input and editing		Vector analysis using earthquake data	
	Oral presentations set	**Problem Set 3 (Ch. 4+5)**		**Lab 3 due**	

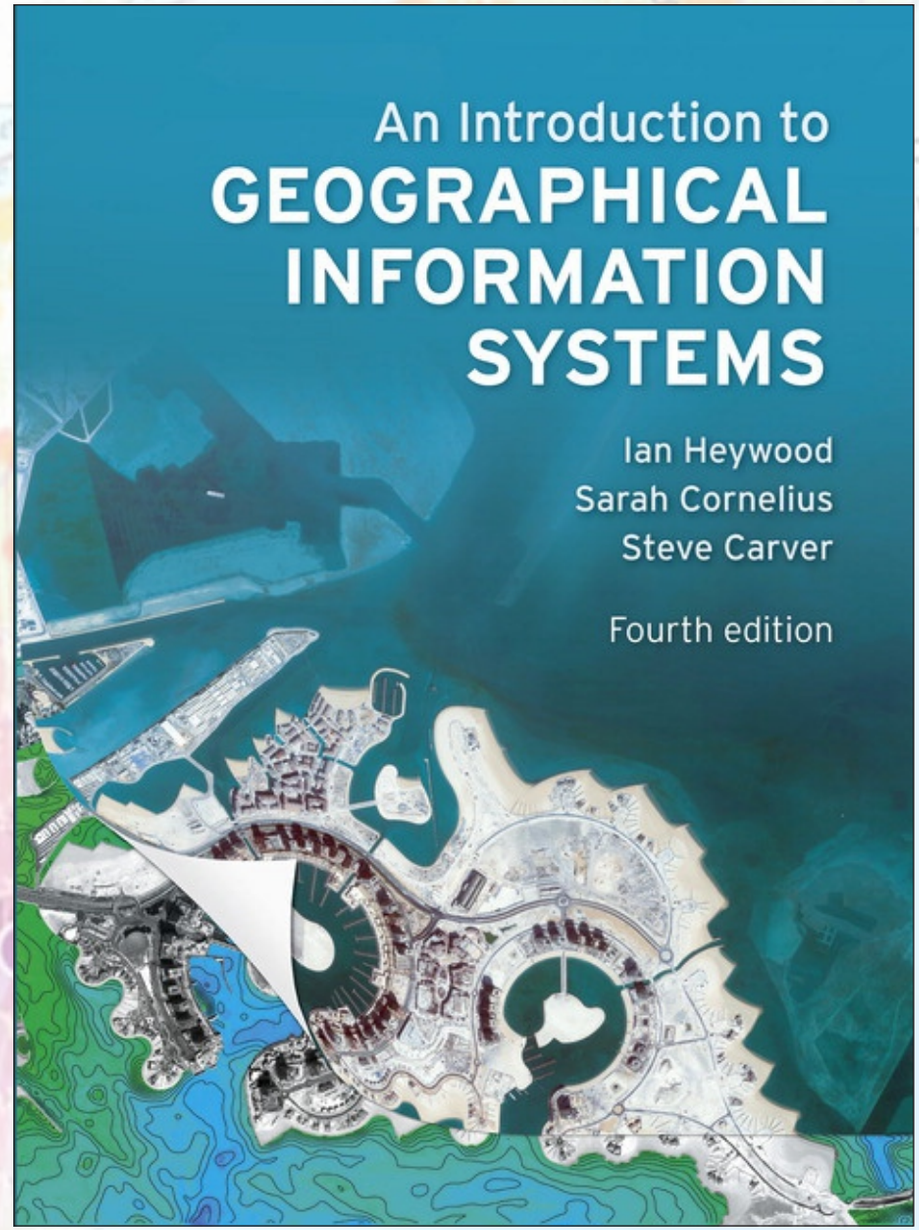
3 short exercises to ease you into GIS thinking.

May be completed today in class, or after class, or over the weekend ... as long as handed in on Monday.

BONUS % (3) will be awarded.

An Introduction to Geographical Information Systems

by: Ian Heywood, Sarah Cornelius, University of Aberdeen; Steve Carver, University of Leeds



The first 5 chapters are available electronically from the library, up until the start of week 6 (when chapters 1-5 are examinded in the Mid-term).

http://scotty.ucr.edu/search/a?searchtype=r&searcharg=GEO+157&SORT=D&submit=Search

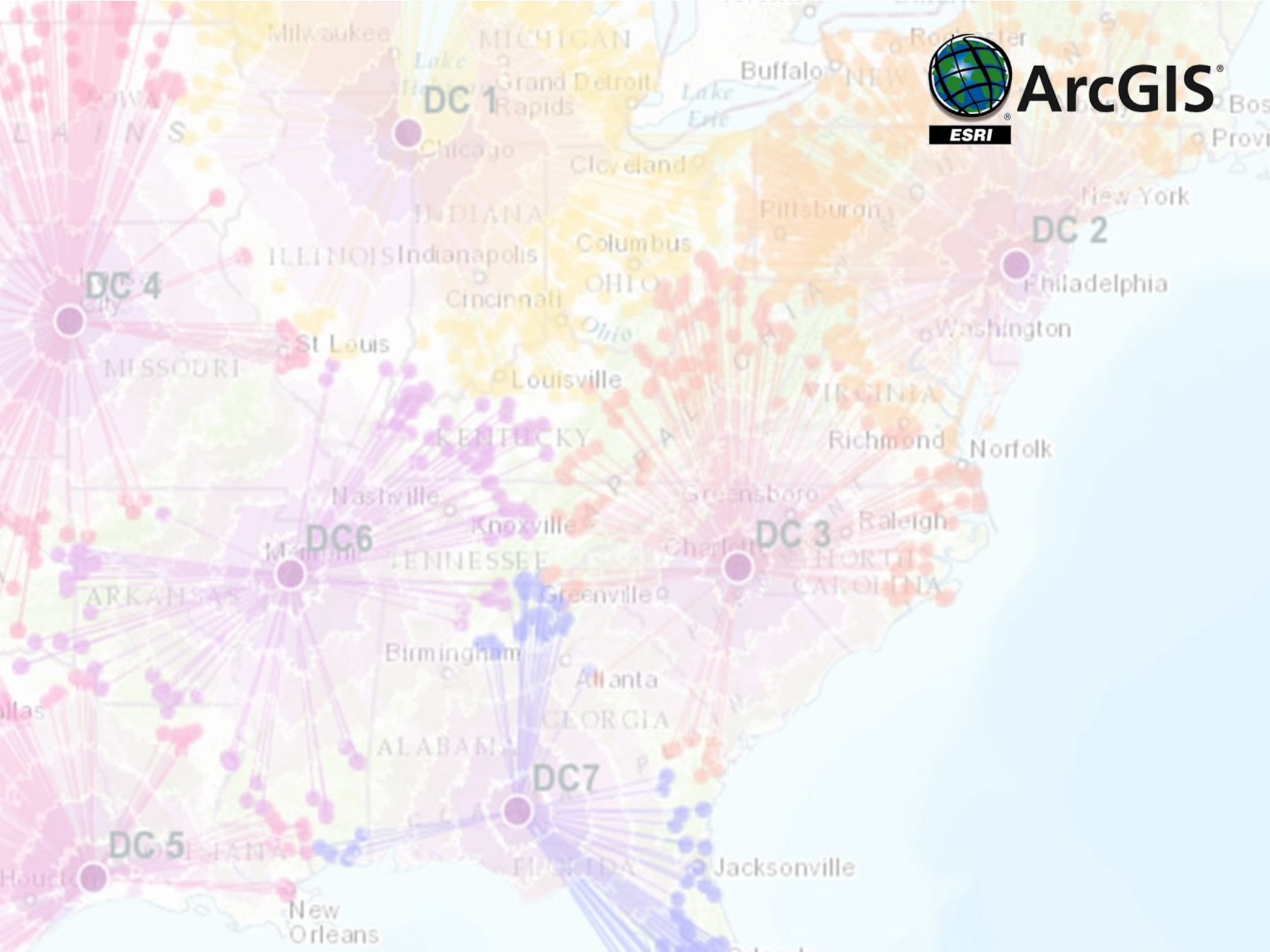
or

https://tinyurl.com/geo157

password: **pinkiepie**

At the start of week 6, Chapters 6&7 will be made available (in place of 1-5).

I also have several copies that I can loan out, one week at a time (so everyone has a chance ot borrow if they wish).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ArcGIS

http://sitelicense.ucr.edu/arcgisstudent.html

- Log into MySoftware.ucr.edu and select ArcGIS to download the software package and receive an EVA authorization code. This authorization code will be emailed to you.
- Check the ArcGIS system requirements to make sure your computer has the hardware and software required.
- Visit www.esri.com/StudentEdition to begin the process of activating your ArcGIS Desktop Student software.
- Log in using your existing Esri Global Account or Sign-up for a new Esri Global account. Use your @ucr.edu email address when creating the account.
- Validate the EVA authorization code (acquired from MySoftware), with ESRI. Enter the code and click "Activate ArcGIS".
- Extract the ArcGIS software package downloaded from MySoftware. Locate and run ArcGIS_Desktop_10[xx].exe to install ArcGIS for Desktop. The "Complete" installation is recommended.
- After the files are installed, the Authorization Wizard will open and prompt you to choose a product to authorize; select "Advanced (Single Use)" and click continue. Select "I have installed my software and need to authorize it." The next prompts will ask for personal information.
- The Authorization Wizard will prompt you for an authorization code; enter your activated code. Choose "I have authorization number(s) to authorize one or more extensions". Follow the prompts and the software will authorize and be ready for use. Note: Leave the default option for the software extensions selected; they will be authorized automatically.

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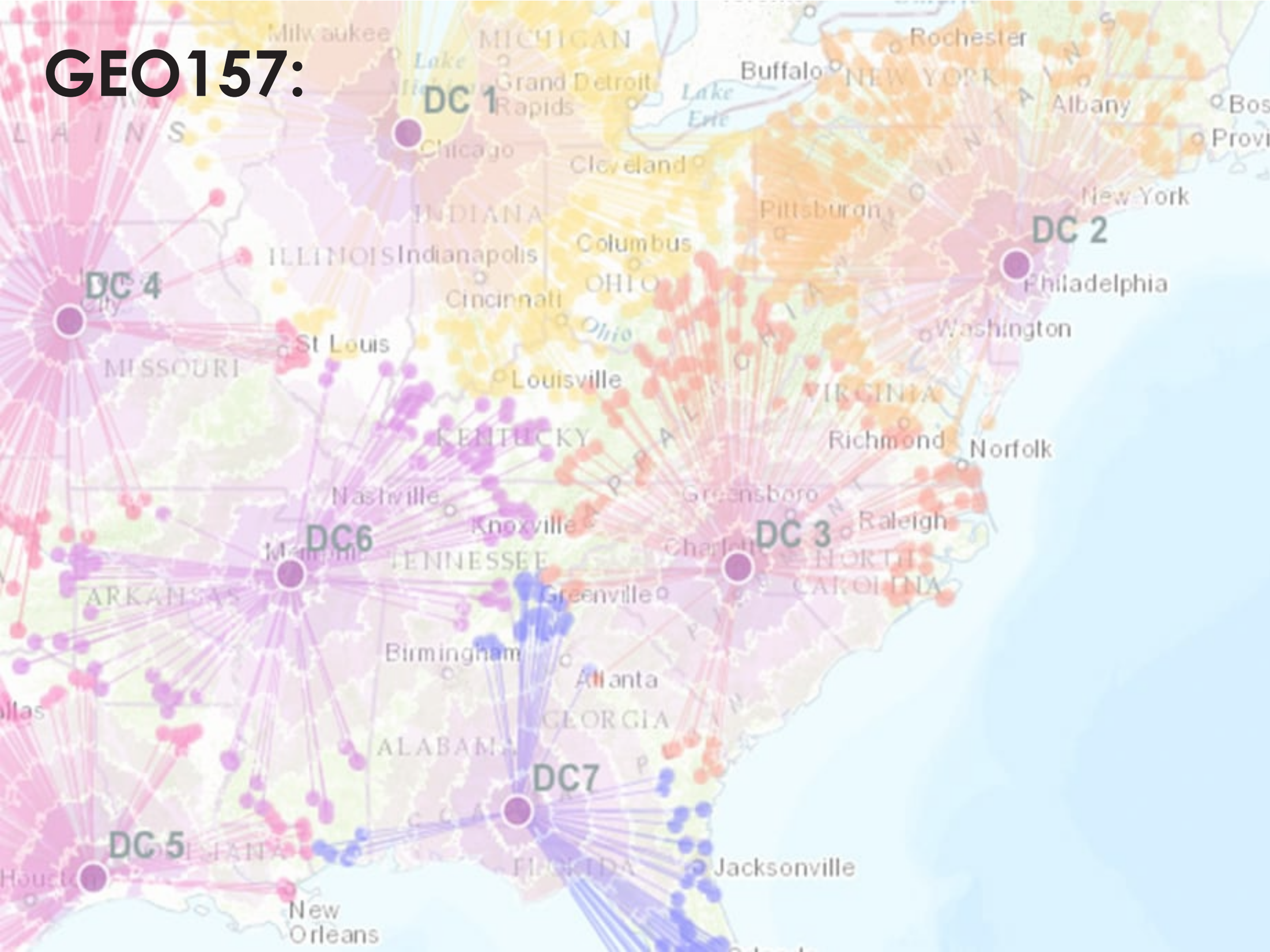
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