

## Lab 2 - Typography in Map Design

Lettering (typography) plays an important role in the effective communication of a map's message. An effective map design incorporates lettering as a utilitarian and functional component, as well as an aesthetic map element. In this exercise, you will prepare a map of Brazil. It is your task to demonstrate your knowledge of the type placement guidelines discussed in class and described in the text.

Your map should include labels for all of the countries, cities and features listed below. Use a dot (small circle, same size) to represent each city. You should develop an ordinal ranking of the cities based on population—use three classes—and your *font sizes* (not circle sizes) should reflect these classes.

Also, you should create a map with proper balance and layout, as well as figure ground contrasts. You should include proper marginal information (i.e., title, scale, etc.) and produce your map in color.

You (1) should turn in your compilation worksheet (!), (2) upload a copy of your final map in WebCT named [your\_last\_name]\_lab2.ai, and (3) upload a WORD file named [your\_last\_name]lab2.docx that has a description of how you arrived at your class rankings for your cities.

Cities Names	Population
Aracaju	288,106
Bacabal	43,229
Barcelos	1,846
Barreiras	30,355
Bauru	178,861
Belem	1,000,349
Belo Horizonte	2,542,788
Boa Vista	43,131
Brasilia	411,305
Campinas	566,517
Campo Grande	282,844
Canavieiras	14,076
Carolina	10,136
Corumbá	66,014
Cuiaba	167,894
Curitiba	1,441,743
Florianopolis	153,547
Fortaleza	1,581,588
Goiania	703,263
Jequié	84,792
Joao Pessoa	290,424
Joinvile	217,074
Macapa	89,081
Maceió	376,479
Manaus	613,068
Natal	376,552
Niteroi	386,185
Pelotas	197,092
Pirapora	31,533
Porto Alegre	2,232,370
Porto Velho	101,644
Recife	2,348,362

Rio Branco	87,462
Rio de Janerio	9,018,637
Rio Grande	124,706
Salvador	1,772,018
Santos	411,023
Sao Goncalo	221,278
Sao Luis	182,466
Sao Paulo	12,588,439
Serra do Navio	415
Tefe	14,670
Teresina	339,264
Vitória	144,143

**Also include names of:**

States:

Acre

Alagoas

Amapa

Amazonas

Bahia

Ceara

Espirito Santo

Gioas

Grosso

Maranhao

Mato Grosso Do Sul

Minas Gerais

Para

Paraiba

Parana

Pernambuco

Piaui

Rio De Janeiro

Rio Grande Do Norte

Rio Grande Do Sul

Rondonia

Roraima

Santa Catarina

Sao Paulo

Sergipe

Surrounding Country names, where necessary. Also, additional city names in other countries to create a better balance and layout.

Major water bodies/ features:

Atlantic Ocean

Pacific Ocean (if needed)

Rio de la Plata

Canal do Norte

Baia de Marajó

Lagoa dos Patos  
Lake Titicaca  
Lake Poopó

Rivers

Amazon  
Paraná  
Tacontins  
Teles Pires  
Madeira  
Juruá  
Parnaíba  
São Francisco  
Uruguay

Sources:

Base Map: Map Resources International Premier 2008  
Data: Hammond World Atlas 1995