

GEOG 340: Environmental Geography

Data Collection Exercise #3 – Document Content Analysis

Due: Tuesday, November 5th (Dropbox closes at 2:30pm)

Instructions:

This exercise is designed to give you hands on practice in utilizing document content analysis as a data collection and analysis methodology for environmental geography research.

Part I: Complete a Data Content Analysis.

You have the choice to analyze a document that is relevant to your group research project (ex. A government report on the topic, NOT JUST AN ACADEMIC ARTICLE) **OR** to analyze the CSULB Climate Action Plan (posted on BeachBoard). Complete the sections below to analyze the document.

If you choose to use the CSULB Climate Action Plan, focus on **Section 4: Campus Greenhouse Gas Inventory** (pg. 15-21) & **Section 5: GHG Emission Reduction Strategies** (pg. 21-29)

Document Analysis Criteria:

Title of Document: Controlling deforestation in the Brazilian Amazon: Regional economic impacts and land-use change

Author/Source: Terciane Sabadini Carvalho, Edson Paulo Domingues, J. Mark Horridge / Article

Date Document was Prepared: December 18, 2015

Date the research or event being described took place: Amazon Rainforest - Brazil, South America

Purpose of Document: Regulation of greenhouse gasses in the Amazon, which the initiation was in 2008. Economic evaluation and land use changes to control deforestation. Creating policies that can provide both economic growth and environmental conservation

Table of Contents? ☒ Yes ☐ No

Tables, Graphs, Graphics? Which appear the most useful? Tables helped showed how it effects the economic effects. graphics such as maps, diagrams are displayed. majority of this article have a lot of tables
Theres math formulas found in this article

Intended Audience of the Document geographers (especially those in land use fields), scientists, policy makers,

Part 2: Extract Important Quantitative Data (numeric) from the Report:

Fill out the Table with examples of important quantitative information:

Topic	Figure/Table #	Page #	Important Information
CSULB GHG Emissions	Table 4	18	Total 2010 Emissions = 59,930 Metric Tons
Land use results	figure 3	336	Total Area - Legal Amazon 14.56 in millions of hectares (2030)
Land use results - Planted Trees	figure 3	336	Total Area - Legal Amazon -2.03 in millions of hectares (2030)
Land use results - Crop	figure 3	336	Total Area - Legal Amazon -3.62 in millions of hectares (2030)
Land use results - Pasture	figure 3	336	Total Area - Legal Amazon -8.91 in millions of hectares (2030)
REGIA - Sector - Agriculture	Table 1	329	1. Rice ... 11. Coffee Bean > CET > Cropland >.. Land
REGIA - Sector - Livestock	Table 1	329	12. Cattle.. 17. Fishing > CET > Pasture > .. Land
REGIA - Sector - Industry	Table 1	329	Breakdown to goods such as 19. Mining Industry...
REGIA - Sector - Services	Table 1	329	Breakdown to goods such as 23. Trade, 24. Transportation..
REGIA - Sector - Public Admin	Table 1	329	Breakdown to goods > 27. Public Administration

Part 3: What did you find most significant about this report? What data provided by the report is most useful?

The amount tables in this report, breakdown of each sections from the REGIA model. Helped evaluate the

factors of the calculation. Table 1 helped breakdown which goods and section that the goods belong too.

Later the goods can be evaluated to which area of land use that had effect to.

Part 4: How could you integrate Document Content Analysis into your project? How would this method help you answer your research question?

The use of Document Content Analysis can help find relationships/key themes that can help narrowing my research question.

It can also compare and contrast documents related to the topic which you can find pattern, relationships, or

relevant that can be used as a source. DCA (Document Content Analysis) can help identify or expatiate

further on a specific subject on my own research question, such as research, other secondary sources, and etc.
