

EC 0.6 - Report Extra Credit

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Q1

You may copy the question into your report, but make sure that you make it clear where the question ends and your answer begins.

Answer

All figures must have a caption and must be referenced in the text. Example below.

Figure 1 is a picture of my 13-year-old dog, Aeva.



Figure 1: Aeva lying in her bed

If you want to include code in your report, you can insert a screenshot (if it's legible), or you can copy/paste the code into a listings environment. There are examples below and more information is available at https://www.overleaf.com/learn/latex/code_listing.

Listing 1 is an example of directly copying code into the LaTeX document and having the listings package perform syntax highlighting. Listing 2 is an example of importing the code from a file rather than copying it in.

```
1 phrase = "Hello, World!"
2 edit = phrase.split(",")
3 print(edit)
```

Listing 1: Simple Python script for separating a string

```
1 #!/usr/local/bin/python3
2 # testargs.py
3
4 import sys
5
6 print("{} is the name of the script." . format(sys.argv[0]))
7 print("There are {} arguments: {}".format(len(sys.argv), str(sys.
   argv)))
8
9 for ind, arg in enumerate(sys.argv):
10     print("[{}]: {}".format(ind, arg, sys.argv[ind]))
```

Listing 2: Python sample code loaded from file

Table 1 shows a simple example table. Table 2 shows an example confusion matrix (you'll see this term later) from https://en.wikipedia.org/wiki/Confusion_matrix. This employs rows that span multiple columns (multicol) and columns that span multiple rows (multirow).

Table 1: Simple Table

Week	Date	Topic
1	Jan 6	Introduction to Web Science and Web Architecture
2	Jan 13	Introduction to Python
3	Jan 20	Measuring the Web
4	Jan 27	Searching the Web

Table 2: Example Confusion Matrix from Wikipedia

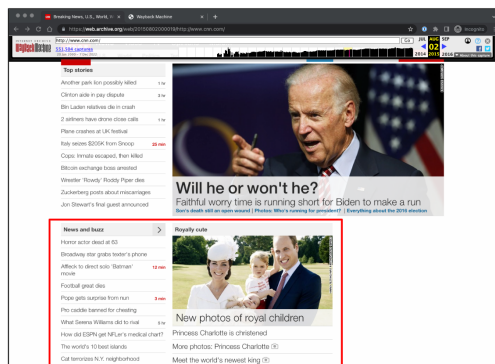
		Actual	
		Cat	Dog
Predicted	Cat	5 (TP)	3 (FP)
	Dog	2 (FN)	3 (TN)

You must provide some discussion of every answer. Discuss how you arrived at the answer and the tools you used. Discuss the implications of your answer.

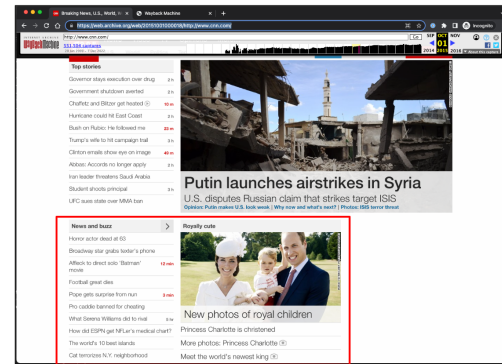
Q2

Answer

Figure 2 shows an example of grouping related figures into a subfigure. This includes Figure 2a and Figure 2b.



(a) Archived CNN.com from Aug 2, 2015,
<https://web.archive.org/web/20150802000019/http://www.cnn.com/>.



(b) Archived CNN.com from Oct 1, 2015,
<https://web.archive.org/web/20151001000018/http://www.cnn.com/>.

Figure 2: Content from Jul 10, 2015 appearing in replayed pages with Memento-Datetimes of Aug 2, 2015 and Oct 1, 2015.

Q3

Answer

References

Every report must list the references that you consulted while completing the assignment. If you consulted a webpage, you must include the URL.

- Overleaf - How to connect a GitHub Repo, https://www.overleaf.com/learn/how-to/Git_integration#Synchronizing_with_another_remote
- Overleaf - Free online introduction to LaTeX (part 1), [https://www.overleaf.com/learn/latex/Free_online_introduction_to_LaTeX_\(part_1\)](https://www.overleaf.com/learn/latex/Free_online_introduction_to_LaTeX_(part_1))

- Digital Ocean - Basic Linux commands, <<https://www.digitalocean.com/community/tutorials/linux-commands>>