EC 0.6 - Reports

Rochana R. Obadage

Due Date

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 shows a captured image of the landscape in the Bavarian Forest. The image was taken by a photographer named Pascal Bullan.

Figure 1: A landscape capture of the Bavarian Forest by Pascal Bullan

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.

```
#!/usr/local/bin/python3

thisdict =  {
  "brand": "Ford",
  "model": "Mustang",
  "year": 1964
}
for x, y in thisdict.items():
  print(x, y)
```

Listing 1: Python dictionary example to Loop through both keys an values, by using the items() function

```
#!/usr/local/bin/python3
# testargs.py

import sys

print ("{} is the name of the script." . format(sys.argv[0]))
print ("There are {} arguments: {}" . format(len(sys.argv), str(sys.
    argv)))

for ind, arg in enumerate(sys.argv):
    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 11	Introduction to Web Science and Web Architecture
2	Jan 18	Introduction to Python
3	Jan 25	Measuring the Web
4	Feb 1	Searching the Web

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.

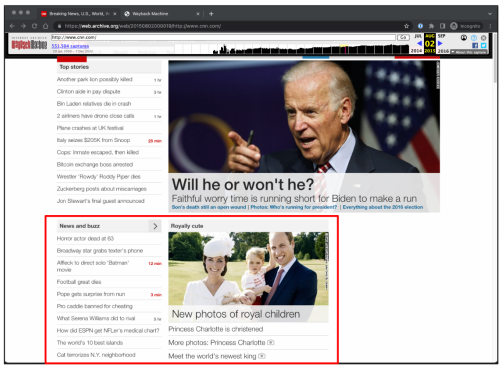
Table 2: Example Confusion Matrix from Wikipedia

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

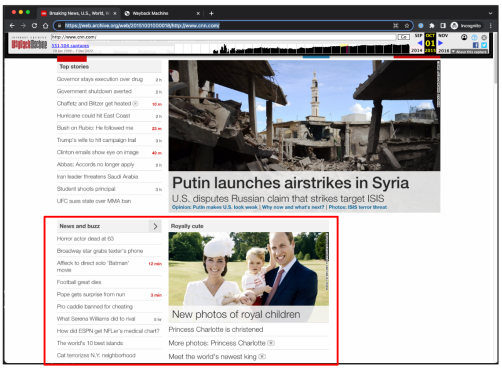
Q2

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.

- Canvas course assignments page for CS532 Spring 25 , https://canvas.odu.edu/courses/177551/assignments
- W3 Schools' Python Examples", https://www.w3schools.com/python/python_examples.asp
- GitHub test repository created for CS532, https://github.com/rochanaro/cs532-test