VE373: Assignment 1

Due on June 1, 2021

teacher

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Question 1 *(20%)* — *Sample question*

What is the airspeed velocity of an unladen swallow?

Answer

While this question leaves out the crucial element of the geographic origin of the swallow, according to Jonathan Corum, an unladen European swallow maintains a cruising airspeed velocity of **11 metres per second**, or **24 miles an hour**. The velocity of the corresponding African swallows requires further research as kinematic data is severely lacking for these species.

Question 2 — *Subquestions*

Subquestions are supported

2.1 (10%) This is a sub question

Answer

According to the Associated Press (1988), a New York Fish and Wildlife technician named Richard Thomas calculated the volume of dirt in a typical 25–30 foot (7.6–9.1 m) long woodchuck burrow and had determined that if the woodchuck had moved an equivalent volume of wood, it could move "about **700 pounds (320 kg)** on a good day, with the wind at his back".

2.2 This is another sub question

2.2.1 Subsub questions are also supported

Answer

This is the subsub answer

Question 3

Identify the author of Equation 1 below and briefly describe it in English.

$$P(A|B) = \frac{P(B|A)P(A)}{P(B)} \tag{1}$$

Question 3 continued on next page...

Info: an info text.

Information: an info message with a customized title.

Warning: a warning message.

Warning: a warning message with a customized title.

Warning: a long message can be wrapped automatically: Labore duis nostrud qui velit cillum. Excepteur laborum ad adipisicing ad anim.

Answer

Information and warning environments work in answers as well.

Note: This is a note.

A predefined reference environment is also available, which can be used to list references at the end of the answer.

Reference:

[1]. Reference 1

[2]. Reference 2

Question 4 *(50%)* — *Code display*

Answer

Long codes can cross pages.

```
 1 #include <iostream>
 2 using namespace std;
 3
 4 int main() {
 5   // Print Hello world
 6   cout << "Hello, World!" << endl;
 7   /*
 8    * Print Hello world
 9    */
10   cout << "Quis voluptate enim aliqua ea. Id pariatur ut aliqua
        ↪ nisi aute ea cupidatat. Excepteur veniam com";
```

Question 4 continued on next page...

```
11
12   return 0;
13 }
```

Listing 1: A ruby on rails code sample

```ruby
class PageController < ApplicationController
  protect_from_forgery with: :exception
  before_action :do_some_for_pages

  '''
  This action creates a new page
  '''
  def new
    @page = Page.new
    creator = current_user || @admin

    # Check if a creator is present
    if creator.present?
      @page.creator = creator.email
    end

    @page.description = 'This is the default description'
  end
end
```