**Polls Lecture 5**

**Slide 18**

1. The chain rule of derivatives can be derived from the basic definition of derivatives, dy = derivative \* dx, true or false

* True
* False

1. Which of the following is true of the “influence diagram”

* It graphically shows all paths (and variables) through which one variable influences the other
* The derivative of the influenced (outcome) variable with respect to the influencer (input) variable must be summed over all outgoing paths from the influencer variable

**After Slide 82**

How does backpropagation relate to training the network (pick one)

* Backpropagation is the process of training the network
* Backpropagation is used to update the model parameters during training
* Backpropagation is used to compute the derivatives of the divergence with respect to model parameters, to be used in gradient descent.

**After Slide 105**

We have y = max(z1, z2, z3), computed at z1 = 1, z2 = 2, z3 = 3. Select all that are true

* dy/dz1 = 1
* dy/dz1 = 0
* dy/dz2 = 1
* dy/dz2 = 0
* dy/dz3 = 1
* dy/dz3 = 0