

## MA 578 Discussion 1

**TF: Huaiyu Hu**

**Office Hour: Tuesday/Thursday 2:00 – 3:00 pm MCS B47**

### 1. Review of Discrete Random Variables

	Definition of Random Variable	PMF	Mean	Variance
Binomial				
Geometric				
Negative Binomial				
Poisson				

### 2. Review of Continuous Random Variables

	PDF	CDF	Mean	Variance
Uniform				
Exponential				
Normal				
Gamma				
Beta				

### 3. Conditional Probability

Exercise.

4. Install software: [R](#), [RStudio](#).