ECS 315: In-Class Exercise # 1

Instructions

1. Separate into groups of no more than three persons.
2. **Write down all the steps** that you have done to obtain your answers. You may not get full credit even when your answer is correct without showing how you get your answer.
3. **Do not panic.**

Date: **21** / **08** / 2018		
Name	ID (last 3 digits)	
Prapun	**5 5 5**	

1. (6 pt) A fair coin is flipped eight times. The results are:

   T H H T T H H T.

   Let A be the event that heads occurs.

   Let $R(A,n)$ denote the **relative frequency** of event A for the first n flips.

   Recall that, for the first n trials, $R(A,n) = \dfrac{\text{\# trials that } A \text{ occurs}}{n}$

   Calculate $R(A,n)$ from $n = 1$ to $n = 8$. Write your answers in the form X.XX.

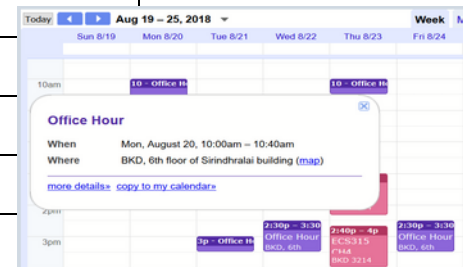| n	1	2	3	4	5	6	7	8
$R(A,n)$	$\frac{0}{1}=0.00$	$\frac{1}{2}=0.50$	$\frac{2}{3}\approx0.67$	$\frac{2}{4}=0.50$	$\frac{2}{5}=0.40$	$\frac{3}{6}=0.50$	$\frac{4}{7}\approx0.57$	$\frac{4}{8}=0.50$

2. (3 pt) List all of Dr.Prapun's office hours for this week.

   Hint: Check Google Calendar on the course website.
   http://www2.siit.tu.ac.th/prapun/ecs315/index.html
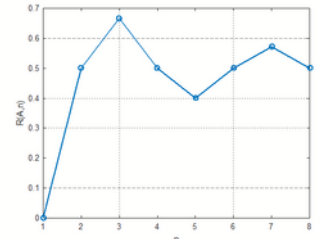
Date	Time	
	From	To
August 20, 2018	**10:00**	**10:40**
August 21, 2018	**15:00**	**15:30**
August 22, 2018	**14:30**	**15:30**
August 23, 2018	**10:00**	**10:30**
August 24, 2018	**14:30**	**15:30**

3. (1 pt) (This one final task has to be worked on individually, not as a group.)

   Use your own Line account to send

   your student id, followed by your full name, and then your nickname inside the parentheses

   into the ECS315 Line group.

   Example: "50764555 Nadech Kugimiya (Barry)"

   Remark: If you don't have a Line account, email the message as instructed above to prapun@siit.tu.ac.th.