

## Problem Sets Due Before Test 1

Only turn in problems that are **not** bracketed. Bracketed problems are additional problems you can look at. Round brackets indicate problems that may help you with problems that are assigned; square brackets are additional problems on material that you should know, but you are not required to write up solutions; curly brackets are truly optional and may contain extra nuggets that you will not be required to know but may be interested in.

Additional assignments and deadlines will be filled in over time.

notation	meaning
unbracketed	assigned problem – turn these in for grading
()	helper/warm-up problem
[]	additional problems (you are responsible for content, but don't turn them in)
{}	covers optional material

Unless marked otherwise, assignments are **due at 11:59 pm Eastern** on the date listed.

Date	Assignment	Section	Problems
Wed 9/1 <b>8:45am</b>	PS 0	★	Familiarize yourself with the course home page: <a href="https://rpruim.github.io/s145/F20/">https://rpruim.github.io/s145/F20/</a> and read the information there.
		★	Go to RStudio (follow <a href="#">the link on the course web page</a> ) and log in and log out again. You should be able to use your usual Calvin user name and password. (Feel free to snoop if you want, but <b>for now I just want to make sure everyone has an account.</b> ) Contact me if you can't log in.
		IMS 1.3.6	<b>1</b> cats <b>3</b> family size <b>8</b> relaxing
		IMS 1	Now go back to the list of distinctions (pairs of terms) on the <a href="#">Dope Sheet</a> and answer the following questions.  Q1 For <b>three</b> of the six distinctions listed there, <ul style="list-style-type: none"> <li>(a) say as succinctly as you can what the distinction is, and</li> <li>(b) create an example that clearly illustrates the distinction.</li> </ul> Q2 Which distinction do you find most difficult to understand/explain?

Date	Assignment	Section	Problems
Mon 9/7	PS 1          PS 2	IMS 1.1 IMS 1.2 IMS 1.3 IMS 1.4 IMS 1.5  **	[1] migranes <b>2</b> sinusitis [7] Buteyko <b>8</b> cheaters [9] stealers [10] UN votes <b>5</b> internet <b>7</b> reading the paper <b>8</b> relaxing [10] air pollution [11] Buteyko [12] cheating <b>13</b> haters [4] music [5] soda <b>6</b> vitamins [1] chia seeds [6] screens [8] space <b>9</b> police  Complete <a href="#">this tutorial about plotting in R</a> . In the “More Practice” section, you are asked to create a plot and put it into <a href="#">this google presentation</a> . You may work alone or in a group of 2–3, <b>but you must submit as many plots as there are people in your group – 3 people = 3 plots</b> . Be sure to include everyone’s name on each slide you create.
Thu 9/10	PS 3A  PS 3B	**  IMS 2.1	Submit a PDF produced using RMarkdown following the directions in <a href="#">slide presentation</a> .  <b>2</b> associations <b>4</b> office productivity <b>5</b> parameters and statistics <b>7</b> days off <b>16</b> distributions and statistics <b>17</b> coffee shop [6] sleeping [11] air quality [14] facebook [19] bacteria
Mon 9/14	PS 4	IMS 2.2 IMS 2.5  Extra	[1] antibiotics in children <b>2</b> immigration <b>3a</b> BLM <b>4a</b> taxes  <b>1</b> make-up exam <b>2</b> infant mortality <b>4</b> skewness [3] TV [5] Oscar winners [7] exam scores  <b>1</b> sketches <b>2</b> penguins <b>3</b> more penguins
Thu 9/17	PS 5	IMS 2.4 IMS 3.1	<b>1</b> avandia <b>2</b> heart transplants  (3) associations <b>4</b> associations <b>5</b> exams <b>7–8</b> matching
Mon 9/21	PS 6	IMS 3.1 IMS 3.2  Extra	<b>13</b> partner’s ages [14] salaries  <b>1</b> units <b>4</b> over-under [3] over-under  <b>4</b> smoking  Note: The footnotes at the end of problems will often tell you where to find the data set used in the problem.

