

**STAT 330: Introduction to Mathematical Statistics**  
**(September 8 - December 7, 2020)**

**Lecture**

Mon 10:30 - 12:20; Wed 10:30 - 11:20 (Remote Learning)

Instructor: X. Joan Hu, SSC K10555, 778-782-6714, joanh@stat.sfu.ca

Office Hours: Wed 11:30-12:30 or by appointment

**Tutorial** (starting from the week of Sep 14, 2020)

Schedule: STAT 330-D101: Mo 8:30AM - 9:20AM; STAT 330-D102: Mo 9:30AM - 10:20AM;  
STAT 330-D103: We 9:30AM - 10:20AM

Teaching Assistant: Molly Cen (mca173@sfu.ca) for tutorial; Mandy Yao (mya107@sfu.ca) for marking

**Textbook**

- “*Introduction to Mathematical Statistics* (8th Edn)” by Hogg, McKean and Craig. Publisher: PEARSON
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**Homework Assignment 1 (Due on Sept 23 by 17:30)**

- Textbook Exercises 1.2.7, 1.2.11(b);
- Textbook Exercises 1.3.3, 1.3.7, 1.3.22;
- Textbook Exercises 1.4.12, 1.4.25, 1.4.30;
- Textbook Exercises 1.5.4, 1.5.8

(Please use the course’s canvas page to turn in the assignments.)

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Questions of HW1 in “*Introduction to Mathematical Statistics*” (7th Edn) by Hogg et al:

- Exercises 1.2.9\*, 1.2.13(b);
- Exercises 1.3.3, 1.3.7, 1.3.21;
- Exercises 1.4.12, 1.4.25, 1.4.30;
- Exercises 1.5.4, 1.5.8

\*This question given in the 7th Edn is corresponding to Exercise 1.2.7 of the textbook, with a slightly different description. Below is the different part of the description in the textbook.

“Show that the following sequences of sets,  $\{\mathcal{C}_k\}$ , are nonincreasing, (1.2.17), then find  $\lim_{k \rightarrow \infty} \mathcal{C}_k$ .  
... ..”