

**98<sup>th</sup> BCCUPMS Meeting**  
**Statistics Subcommittee Meeting Minutes**  
**June 18, 2020**

**Venue: Zoom online meeting**

**Time: 11:00 am to 12:15 pm**

**Present:**

Chehra Aboukinane (Ascenda), Ian Affleck (UFV), Mahshid Atapour (Capilano), Stephen Brown (Okanagan College), Susan Chen (Camosun), Bruce Dunham (Chair, UBC-V), Dan Henschell (Douglas), Simin Jolfaee (BCIT), Zahra Jiwani (Ascenda), Costa Karavas (VCC), Kevin Keen (UNBC), Mary Lesperance (UVic), Michael Lo (Secretary, Langara College), Colin Macleod (KPU), Harsha Perera (SFU), Sam Pimentel (TWU), Shane Rollans (TRU), Mateen Shaikh (TRU), Peter Sinclair (Capilano), and Dean Slonowsky (VIU)

1. Approval of Agenda

- The Chair added an item about the Statistics Subcommittee Chair Election after Item 6.
- The approval of the modified agenda was moved by Susan Chen and seconded by Dan Henschell.

2. Approval of Minutes from Statistics Subcommittee Meeting from 97<sup>th</sup> Meeting

- The approval of minutes was moved by Chehra Aboukinane and seconded by Costa Karavas.

3. Matters Arising from Minutes

- Item 5 (High School Statistics 12) was brought up for further discussion. We are encouraged to have a chat with local high school. Susan did contact some school teachers but did not get any response. The Chair suggested to contact BCAMT (BC Association of Mathematics Teachers) for the reaching out. He also shared his experience with high school teachers near UBC-V.
  - Item 6 (Open Access Resources) was also brought up for further discussion. There was encouragement to register for StatSpace (<https://statspace.elearning.ubc.ca/>) as instructors to get access to extra resources.
- Item 9 (Camosun Department Name Change) got updated. Camosun Dean and VP believe the name would be reverted back, but it is not confirmed yet. Susan is appreciative about the support this group has provided.

4. Block Articulation of Statistics Courses

- The Chair mentioned that UBC-V would try to avoid unassigned science credits as it creates more anxiety among students and more work for the faculty.
- If one-to-one does not work it is highly encouraged we consider doing “block transfer” of sets of courses, where appropriate.
- Courses should ideally be under the same subject code (like MATH or STAT).

5. Articulation of Data Science Courses

- UBC-V has been running DSCI 100 (Introduction to Data Science) for about two years. It only has MATH 12 as pre-requisite.

- There will be a new second year Data Science course (STAT 201) with DSCI 100 as pre-requisite. STAT 201 has similar content as STAT 200 but with more Data Science favour.
  - DSCI 100 and STAT 201 will be part of the Statistics major in the future. They also form part of the Data Science minor.
  - The Chair encouraged others to consider creating data science courses and establishing transfer credits.
  - TRU has a Master of Data Science and they are planning to roll out a few 1-credit lower division courses. It is believed that it might be hard to articulate one-for-one.
  - Interested parties were invited to contact the Chair for more information about DSCI 100 or STAT 201.
6. Teaching, Assessment, and Resources for Online Learning in Statistics (Susan Chen, Camosun)
- Susan asked if there were any recommendations in online teaching Calculus-based Introductory Statistics.
  - Mateen was planning to have more low-stake project-based assessments.
  - Andrea was planning to introduce more statistical thinking in the assessment, ask students to bring in statistics-related things happening around them. Grades will be based more on collaboration and presentation.
  - Kevin Keen used proctored exam in undergraduate courses. He also used multiple choice questions in lower-division courses on Blackboard.
  - The Chair shared his experience with WeBWork and encouraged others to explore it.
  - Zahra tried an assessment with an online part and a hard-written part.
  - Susan shared with us that 80% surveyed students wanted to have asynchronous classes.
7. Election of the Statistics Subcommittee Chair
- The two-year term of the Statistics Subcommittee Chair for Bruce Dunham is up.
  - He was willing to stand for election again but also welcomed others to participate.
  - Bruce was nominated by Susan and seconded by Costa.
  - Bruce was the only candidate and he will the Chair for another two years by acclimation. (Voting: 16 Yes, 2 Abstain, and 0 No)
8. Any Other Business
- Articulation agreement will be kept intact during these times.
9. Motion to adjourn
- Susan Chen moved to adjourn and seconded by Dan Henschell