

# Advice on producing videos and running modules online

Richard Smith

School of Mathematics and Statistics

11th March 2020

# Producing videos

## Hardware and software

# Producing videos

## Hardware and software

- ▶ Laptop/tablet with a **good** touchscreen and stylus, e.g. MS Surface Pro, iPad Pro, or external graphics tablet, e.g. Wacom.

# Producing videos

## Hardware and software

- ▶ Laptop/tablet with a **good** touchscreen and stylus, e.g. MS Surface Pro, iPad Pro, or external graphics tablet, e.g. Wacom.
- ▶ External microphone, e.g. Audio-Technica AT2020USB.

# Producing videos

## Hardware and software

- ▶ Laptop/tablet with a **good** touchscreen and stylus, e.g. MS Surface Pro, iPad Pro, or external graphics tablet, e.g. Wacom.
- ▶ External microphone, e.g. Audio-Technica AT2020USB.
- ▶ PDF annotation tool e.g. Xodo, and screen capture and video editing software e.g. Camtasia (Windows, Mac) or Simple Screen Recorder and Kdenlive (Linux).

# Producing videos

## Hardware and software

- ▶ Laptop/tablet with a **good** touchscreen and stylus, e.g. MS Surface Pro, iPad Pro, or external graphics tablet, e.g. Wacom.
- ▶ External microphone, e.g. Audio-Technica AT2020USB.
- ▶ PDF annotation tool e.g. Xodo, and screen capture and video editing software e.g. Camtasia (Windows, Mac) or Simple Screen Recorder and Kdenlive (Linux).

## Preparation

# Producing videos

## Hardware and software

- ▶ Laptop/tablet with a **good** touchscreen and stylus, e.g. MS Surface Pro, iPad Pro, or external graphics tablet, e.g. Wacom.
- ▶ External microphone, e.g. Audio-Technica AT2020USB.
- ▶ PDF annotation tool e.g. Xodo, and screen capture and video editing software e.g. Camtasia (Windows, Mac) or Simple Screen Recorder and Kdenlive (Linux).

## Preparation

- ▶ Plan for approx. 10-minute videos (more than 20 is boring!).

# Producing videos

## Hardware and software

- ▶ Laptop/tablet with a **good** touchscreen and stylus, e.g. MS Surface Pro, iPad Pro, or external graphics tablet, e.g. Wacom.
- ▶ External microphone, e.g. Audio-Technica AT2020USB.
- ▶ PDF annotation tool e.g. Xodo, and screen capture and video editing software e.g. Camtasia (Windows, Mac) or Simple Screen Recorder and Kdenlive (Linux).

## Preparation

- ▶ Plan for approx. 10-minute videos (more than 20 is boring!).
- ▶ Base material on theme/topic, not lecture.



# Producing videos

## Hardware and software

- ▶ Laptop/tablet with a **good** touchscreen and stylus, e.g. MS Surface Pro, iPad Pro, or external graphics tablet, e.g. Wacom.
- ▶ External microphone, e.g. Audio-Technica AT2020USB.
- ▶ PDF annotation tool e.g. Xodo, and screen capture and video editing software e.g. Camtasia (Windows, Mac) or Simple Screen Recorder and Kdenlive (Linux).

## Preparation

- ▶ Plan for approx. 10-minute videos (more than 20 is boring!).
- ▶ Base material on theme/topic, not lecture.
- ▶ Prepare pdf slides and script.

# Producing videos

## Hardware and software

- ▶ Laptop/tablet with a **good** touchscreen and stylus, e.g. MS Surface Pro, iPad Pro, or external graphics tablet, e.g. Wacom.
- ▶ External microphone, e.g. Audio-Technica AT2020USB.
- ▶ PDF annotation tool e.g. Xodo, and screen capture and video editing software e.g. Camtasia (Windows, Mac) or Simple Screen Recorder and Kdenlive (Linux).

## Preparation

- ▶ Plan for approx. 10-minute videos (more than 20 is boring!).
- ▶ Base material on theme/topic, not lecture.
- ▶ Prepare pdf slides and script.
- ▶ Self-isolate (e.g. go to middle of field, crypt).

# Producing videos

## Hardware and software

- ▶ Laptop/tablet with a **good** touchscreen and stylus, e.g. MS Surface Pro, iPad Pro, or external graphics tablet, e.g. Wacom.
- ▶ External microphone, e.g. Audio-Technica AT2020USB.
- ▶ PDF annotation tool e.g. Xodo, and screen capture and video editing software e.g. Camtasia (Windows, Mac) or Simple Screen Recorder and Kdenlive (Linux).

## Preparation

- ▶ Plan for approx. 10-minute videos (more than 20 is boring!).
- ▶ Base material on theme/topic, not lecture.
- ▶ Prepare pdf slides and script.
- ▶ Self-isolate (e.g. go to middle of field, crypt).
- ▶ Use checklist to ensure equipment is turned on!

# Producing videos

## Recording

# Producing videos

## Recording

- ▶ Don't worry about making mistakes or long pauses.

# Producing videos

## Recording

- ▶ Don't worry about making mistakes or long pauses.

## Post production

# Producing videos

## Recording

- ▶ Don't worry about making mistakes or long pauses.

## Post production

- ▶ Can insert new video and audio clips.

# Producing videos

## Recording

- ▶ Don't worry about making mistakes or long pauses.

## Post production

- ▶ Can insert new video and audio clips.
- ▶ Can edit out mistakes, pauses and filler (ers, ums, likes).



# Producing videos

## Recording

- ▶ Don't worry about making mistakes or long pauses.

## Post production

- ▶ Can insert new video and audio clips.
- ▶ Can edit out mistakes, pauses and filler (ers, ums, likes).
- ▶ Can reduce background noise using e.g. Camtasia, Audacity.

# Producing videos

## Recording

- ▶ Don't worry about making mistakes or long pauses.

## Post production

- ▶ Can insert new video and audio clips.
- ▶ Can edit out mistakes, pauses and filler (ers, ums, likes).
- ▶ Can reduce background noise using e.g. Camtasia, Audacity.
- ▶ But don't edit too much because it can take forever!

# Producing videos

## Recording

- ▶ Don't worry about making mistakes or long pauses.

## Post production

- ▶ Can insert new video and audio clips.
- ▶ Can edit out mistakes, pauses and filler (ers, ums, likes).
- ▶ Can reduce background noise using e.g. Camtasia, Audacity.
- ▶ But don't edit too much because it can take forever!
- ▶ Render finished project to mp4 file.

# Producing videos

## Recording

- ▶ Don't worry about making mistakes or long pauses.

## Post production

- ▶ Can insert new video and audio clips.
- ▶ Can edit out mistakes, pauses and filler (ers, ums, likes).
- ▶ Can reduce background noise using e.g. Camtasia, Audacity.
- ▶ But don't edit too much because it can take forever!
- ▶ Render finished project to mp4 file.
- ▶ Upload to Brightspace, Moodle or [media.heanet.ie](http://media.heanet.ie).

# Running modules online

## Overall structure

# Running modules online

## Overall structure

- ▶ Split into weekly chapters/units and final 'exam revision' unit.

# Running modules online

## Overall structure

- ▶ Split into weekly chapters/units and final 'exam revision' unit.
- ▶ Populate with pdf notes, videos, online tests, assignments etc., as required.

# Running modules online

## Overall structure

- ▶ Split into weekly chapters/units and final 'exam revision' unit.
- ▶ Populate with pdf notes, videos, online tests, assignments etc., as required.
- ▶ Use 'general announcements' board to notify students of news, updates etc.



# Running modules online

## Overall structure

- ▶ Split into weekly chapters/units and final 'exam revision' unit.
- ▶ Populate with pdf notes, videos, online tests, assignments etc., as required.
- ▶ Use 'general announcements' board to notify students of news, updates etc.
- ▶ Time allowing, record module welcome video, or unit introduction videos.

# Running modules online

## Overall structure

- ▶ Split into weekly chapters/units and final 'exam revision' unit.
- ▶ Populate with pdf notes, videos, online tests, assignments etc., as required.
- ▶ Use 'general announcements' board to notify students of news, updates etc.
- ▶ Time allowing, record module welcome video, or unit introduction videos.

## Discussion boards

# Running modules online

## Overall structure

- ▶ Split into weekly chapters/units and final 'exam revision' unit.
- ▶ Populate with pdf notes, videos, online tests, assignments etc., as required.
- ▶ Use 'general announcements' board to notify students of news, updates etc.
- ▶ Time allowing, record module welcome video, or unit introduction videos.

## Discussion boards

- ▶ Recommend one discussion board per unit/week, plus final 'exam revision' board.

# Running modules online

## Overall structure

- ▶ Split into weekly chapters/units and final 'exam revision' unit.
- ▶ Populate with pdf notes, videos, online tests, assignments etc., as required.
- ▶ Use 'general announcements' board to notify students of news, updates etc.
- ▶ Time allowing, record module welcome video, or unit introduction videos.

## Discussion boards

- ▶ Recommend one discussion board per unit/week, plus final 'exam revision' board.
- ▶ Set strict ground rules for when boards will be monitored, especially before deadlines.

# Running modules online

## Overall structure

- ▶ Split into weekly chapters/units and final 'exam revision' unit.
- ▶ Populate with pdf notes, videos, online tests, assignments etc., as required.
- ▶ Use 'general announcements' board to notify students of news, updates etc.
- ▶ Time allowing, record module welcome video, or unit introduction videos.

## Discussion boards

- ▶ Recommend one discussion board per unit/week, plus final 'exam revision' board.
- ▶ Set strict ground rules for when boards will be monitored, especially before deadlines.
- ▶ Encourage students to post questions on the boards and drive discussion.

# Running modules online

## Overall structure

- ▶ Split into weekly chapters/units and final 'exam revision' unit.
- ▶ Populate with pdf notes, videos, online tests, assignments etc., as required.
- ▶ Use 'general announcements' board to notify students of news, updates etc.
- ▶ Time allowing, record module welcome video, or unit introduction videos.

## Discussion boards

- ▶ Recommend one discussion board per unit/week, plus final 'exam revision' board.
- ▶ Set strict ground rules for when boards will be monitored, especially before deadlines.
- ▶ Encourage students to post questions on the boards and drive discussion.
- ▶ Discourage queries sent by email.

# Running modules online

## Countinuous assessment

# Running modules online

## **Continuous assessment**

- ▶ Don't set Monday morning deadlines.



# Running modules online

## **Countinuous assessment**

- ▶ Don't set Monday morning deadlines.
- ▶ Can scan handwritten assignments to pdf on smartphones using e.g. CamScanner.

# Running modules online

## Countinuous assessment

- ▶ Don't set Monday morning deadlines.
- ▶ Can scan handwritten assignments to pdf on smartphones using e.g. CamScanner.
- ▶ Can use pdf annotation tool to return feedback, but this can be tricky.