

Welcome to a GCDI Workshop!

Getting Good (Enough) Audio Recording

Di Yoong

dyoong@gradcenter.cuny.edu



GC Digital Initiatives

THE
GRADUATE
CENTER
CITY UNIVERSITY
OF NEW YORK

Who are the GC Digital Fellows?

We are students from programs across the GC who integrate creative, critical, innovative use of technology in our scholarly and pedagogical practice. We work collaboratively to develop programs that support students, faculty, and staff as they develop their digital projects.

We offer **support for digital scholarship**

- Workshops
- Consultations / Office Hours
- Working Groups
- Online Resources

Checking-in

- [Materials](#)
- Zoom orientation
 - It's okay to turn your video off! 😊
 - Please feel free to raise your questions in the chat; Param will be monitoring it~! 👍
 - Breakout rooms

Introductions!

Let's get to know each other a little!

Name,
gender pronouns,
program, and
what's a sound studies project you have in mind?

So... What's good enough audio recording?

It depends!

Generally you want to get a clean, clear audio for your sound projects but how clean or clear does it have to be depends on the purpose of your project.

Today, we will focus on how you can get a clean and clear audio at home!

Sound Samples

Hear what differences your microphone and room set-up can make to your recording:

- [Smartphone](#)
- [Smartphone + Fort](#)
- [Yeti](#)
- [Yeti + Fort](#)
- [Webcam](#)
- [Webcam + Fort](#)

Basic Equipments

- Smartphone/tablets
- Laptops/Chromebook
- Headphones/Earphones

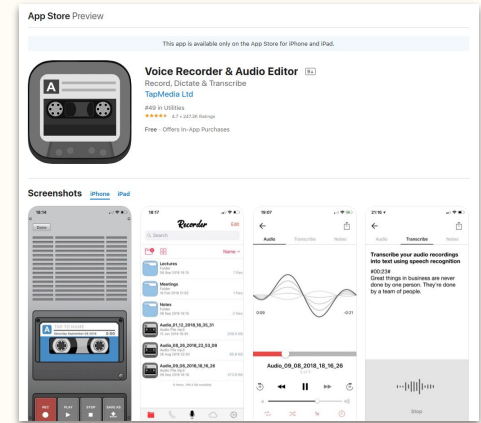
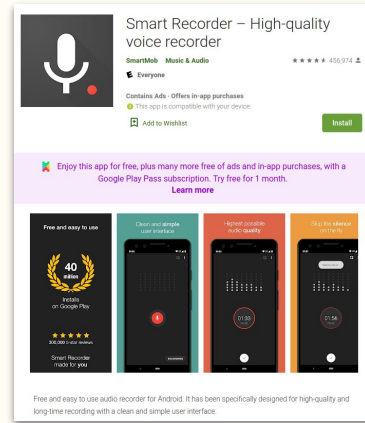
Nice-to-Have Equipments

- External microphone
- External digital recorder
- Pop filters

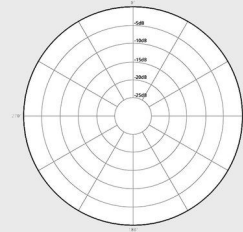


Software recommendations

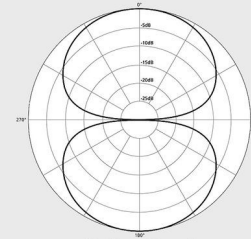
- Audacity (Mac, Windows, GNU/Linux*)
 - Garageband (Mac) works too!
- Recording Apps
 - [Smart Recorder](#) (Android)
 - [Voice Recorder & Audio Editor](#) (iPhone/iPad)
 - [Anchor](#) (Web-based)



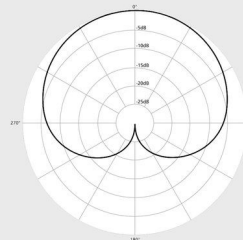
Understanding your microphone polar patterns



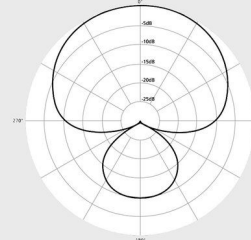
Omni-directional



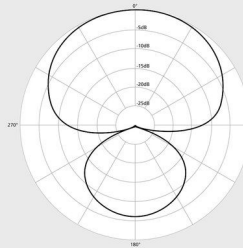
Bi-directional



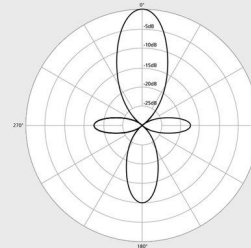
Cardioid



Super-cardioid



Hyper-cardioid



Ultra-cardioid

Check your levels!



...but listen to your ears, not your eyes!

Pay attention to...

- Where you are in relation to your microphone
 - 4-6 inches in front of your mic (off-axis) is ideal
- Plosives/P-pops
 - “Peter Piper picked a peck of pickled peppers”
- Sibilance
 - “And the silken sad uncertain rustling of each purple curtain”
- Mouth noises
 - Lip smacking, slurping
- Avoid wearing accessories
- Here’s [a checklist!](#)

Setting up your recording space

- Check your room tone
 - Appliances in the room generate sound that our ears filter but our microphones will pick up
- Echo
 - Sound will bounce off flat surfaces and create an echo in your recording
 - Blanket forts and closets are great home recording spaces!
- Place your microphone where you will not accidentally touch it
 - Handling noise will get picked up by your recording device

Creative Commons Licenses

Everything you need to know about...

Creative Commons

What?
With a Creative Commons license, the author retains copyright and the public is allowed to reuse the content.

Why?
The use of Creative Commons licenses encourages universal access to research

How?
There are 6 types Creative Commons licenses, each with different specifications for attribution, reuse and modification

The Icons

Attribution (BY)

Non-Commercial (NC)

No Derivative Works (ND)

Share Alike (SA)

The Licenses

CC BY

Allows others to copy, distribute, transmit and adapt the article as long as the author is attributed. The CC BY license permits commercial and non-commercial use.

CC BY SA

Allows others to copy, distribute, transmit and adapt the article as long as the author is attributed and new creations are under the same license as the original. The CC BY-SA license permits commercial and non-commercial use.

CC BY ND

Allows others to copy, distribute, transmit and adapt the article as long as the author is attributed but the article is not modified or adapted in any way. The CC BY-ND license permits commercial and non-commercial use.

CC BY NC

Allows others to copy, distribute, transmit and adapt the article as long as the author is attributed but the article is not modified or adapted in any way. The CC BY-NC license only permits non-commercial use.

CC BY NC SA

Allows others to copy, distribute, transmit and adapt the article as long as the author is attributed and new creations are under the same license as the original. The CC BY-NC-SA license only permits non-commercial use.

CC BY NC ND

Allows others to copy, distribute, transmit and adapt the article as long as the author is attributed and the article is not modified or adapted in any way. The CC BY-NC-ND license only permits non-commercial use.

Do's and Don'ts

	Copy	Attribution Required	Commercial Use	Modify or Adapt	Change License
CC BY	✓	✓	✓	✓	✓
CC BY-SA	✓	✓	✓	✓	✗
CC BY-ND	✓	✓	✓	✗	✓
CC BY-NC	✓	✓	✗	✓	✓
CC BY-NC-SA	✓	✓	✗	✓	✗
CC BY-NC-ND	✓	✓	✗	✗	✓

Source: <https://creativecommons.org/licenses/>

WILEY

From Neubeiser, K. (2016), [Infographic: Everything you need to know about creative commons licenses](#), Wiley.

Evaluations

cuny.is/GCDI-webevals

Sound Studies and Methods Events

- Working group meeting next Monday!
 - Oct 05 (Mon) @ 2pm
- Follow us on [our commons group!](#)

How can I get involved with GCDI?

GC Digital Initiatives

[About](#) [People](#) [Calendar](#) [Participate](#) [Resources](#) [News](#) 



Interdisciplinary Events, Workshops, & Speaker Series




Graduate Center Digital Initiatives (GCDI) brings together the work of leading scholars and technologists at the CUNY Graduate Center to pioneer new modes of inquiry that integrate digital tools and methods into the research, teaching, and service missions of the university.

**Projects**

**Degrees & Certificates**

**Workshops**

**Guides & Tutorials**

**Join us for an event**

How can I get involved with GCDI?

The screenshot displays the CUNY Academic Commons interface. At the top, the logo "CUNY ACADEMIC COMMONS" is shown in orange, blue, and green speech bubbles. To the right is a search bar with "Google Custom Search" and a "Search" button. Below the logo is a navigation bar with links: People, Groups, Sites, Papers, Courses, Events, News, and About. On the far right of this bar are social media icons for Twitter and RSS.

The main content area is titled "GC Digital Initiatives at the CUNY Graduate Center". To the left of this title is a colorful logo consisting of vertical and horizontal bars in various colors. To the right of the title, it says "Public Group" and "active 3 days ago". Below this, a paragraph states: "This group accompanies the the GCDI website (<http://gcdi.commons.gc.cuny.edu/>). Here, members of the GC community can share news of recent events and new projects and can begin to build connections between projects." Below the paragraph is a "Quick Link: <http://cuny.is/group-gcdi>".

On the right side of the main content area, under the heading "Group Admins", there are two small profile pictures of individuals.

On the left side of the main content area, there is a sidebar with a list of links: Home, Forum, Events, Papers, Files, Docs, and Members (190). Each link is accompanied by a small icon.

Below the main content area, there is a section titled "Recent group activity". It includes an "RSS" link and a "No Filter" dropdown menu. Below this, there is a list of recent activity. The first entry shows a profile picture of Inés Vañó García and text: "Inés Vañó García started the topic CFP – Special Issue – Journal of Interactive Technology and Pedagogy (11/30/19) in the forum". Below this, there is a small icon and text: "Digital Initiatives at the CUNY Graduate Center 3 days ago". Below this, there is a section titled "The Journal of Interactive Technology and Pedagogy Special Issue:".