Seminar 1 Session 04: Some tips for a good oral presentation

Kinoshita Daisuke

Institute of Astronomy, National Central University, Taiwan

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For a good oral presentation, you need to finish reading the paper (or the chapter of the textbook).

You need to understand what is written on the paper.

Reading textbook/paper

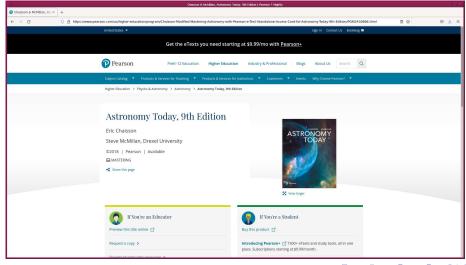
- Arrange enough time to read a chapter of textbook / a whole paper.
 - If you start reading the paper a few days before the date of your talk, you probably cannot finish reading the paper.
 - If you do not know how much time do you need to read a paper, then
 you may try to read "Introduction" part of the paper this week. Then,
 you know roughly how much time you need to finish reading the whole
 paper.
- Every single sentence is important.
 - Do not skip a sentence.
- English words
 - When you find an English word that you do not know, use a dictionary to find out the meaning of the word.

Reading textbook/paper

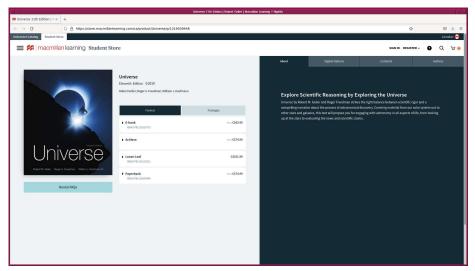
Technical terms

- If you find a technical term that you have not seen before (or you have seen before, but you forgot the meaning), check the meaning of the term.
- You may read the textbook for "General Astronomy".
 - "Astronomy Today"
 - "Universe"
- Or, you may use an encyclopedia.
 - Encyclopedia Britannica (大英百科全書)
 - https://www.britannica.com/

"Astronomy Today"

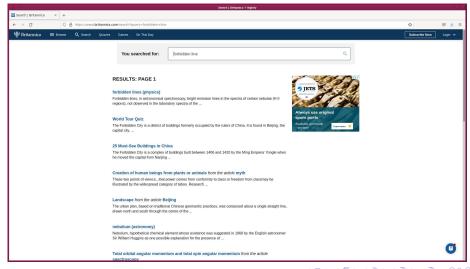


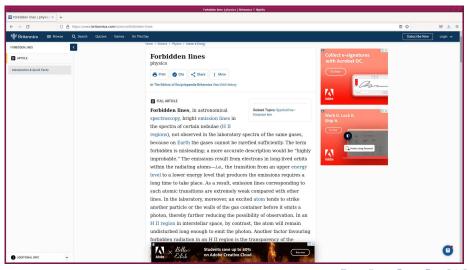
"Universe"











Reading paper

- If a part of the contents of the paper is not clear to you...
 - read that part again
 - read relevant chapters of "General Astronomy" textbook
 - ask someone about it
 - ask your friend
 - ask me
- Figures and tables
 - grab the meaning of figures and tables
- Sorting out context, aims, methods, results, and conclusions
 - what is context?
 - what are aims?
 - what are methods?
 - what are results?
 - what are conclusions?
- Reading some references
 - detailed methods may not be described in the paper, and you may need to go through some references.

Reading paper

- When reading paper / textbook...
 - Prepare a notebook (or a text file on your computer).
 - Write down English words that you did not know the meaning.
 - Write down the meaning of that word.
 - Write down technical terms that you did not know the meaning.
 - Write down the meaning of those technical terms.
 - Write down the summary the paragraph you have read.

Reading paper

- Have you downloaded the textbook OpenStax "Astronomy 2e"?
- Have you started reading the textbook OpenStax "Astronomy 2e"?
- Are you reading the textbook OpenStax "Astronomy 2e" regularly?
 - You are all busy taking some courses this semester. It is probably a good idea to make a weekly schedule.
 - e.g. 3 days per week, 2-hr each time
- If it is difficult for your to arrange time for reading the textbook (or paper) in regular fashion, come and talk to me.
 - We may be able to schedule time for reading the textbook together.
 - e.g. evening time on Tue
 - e.g. time after the Friday colloquium

Some tips for a good oral presentation

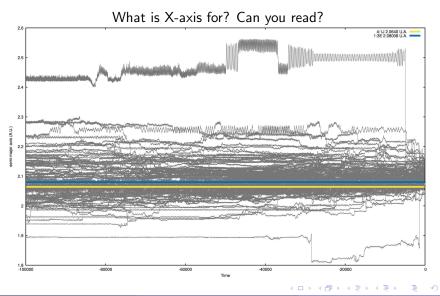
Some suggestions for your presentation slide

- Do not use small font size.
 - Can you read this?
 - Can you read this?

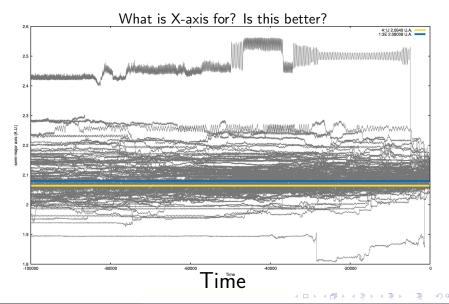
- Foreground and background colours
 - choose easy-to-see colours of foreground and background
- Do not put too much information on a single page.
 - If you put many sentences on a page, audiences may not have enough time to read all the sentences.
- Show your presentation slide to your friends.
 - ask for comments
 - which page is well organised?
 - which page is not well organised?
 - missing information?

- Figures
 - You may make your own figures if needed.
 - There are many freely available drawing software.
- Tables
 - Pasting the original table of the paper may not be the best option.
 - You may make your own table using numbers on the paper.

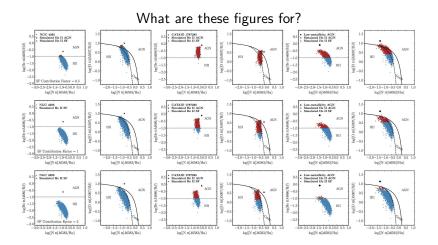
Do you find what is this figure for?



Do you find what is this figure for?



Do you find what is this figure for?



Do you find what is this table for?

Tab	le 5
Light-curve	Parameters

Nova (M31N)	$m_{\mathrm{H}\alpha}$	σ_m	$M_{\mathrm{H}\alpha}$	σ_M	(mag day ⁻¹)	$(\text{mag day}^{\sigma_{f_{H\alpha}}})$	$t_2(H\alpha)$ (day)	σ_{r_2} (day)	$log(t_2)$	Reference
1997-08b	16.42	0.09	-8.09	0.10	0.0063	0.0003	318.0	15.3	2.50	1
1998-07d	15.81	0.11	-8.71	0.12	0.0098	0.0007	204.8	14.0	2.31	1
1998-08a	16.05	0.16	-8.46	0.16	0.0086	0.0009	232.7	24.6	2.37	1
1998-08b	15.41	0.29	-9.10	0.30	0.0245	0.0038	81.6	12.6	1.91	1
2000-10a	16.64	0.02	-7.87	0.05	0.0321	0.0003	62.2	0.6	1.79	1
2002-08a	15.60	0.10	-8.91	0.11	0.0174	0.0018	115.1	12.0	2.06	1
2003-06Ъ	16.05	0.11	-8.46	0.12	0.0220	0.0015	91.0	6.1	1.96	1
2003-06e	15.12	0.26	-9.40	0.27	0.0262	0.0034	76.2	9.8	1.88	1
2003-06d	15.95	0.16	-8.57	0.16	0.0224	0.0021	89.3	8.4	1.95	1
2003-07ь	16.86	0.08	-7.65	0.09	0.0295	0.0016	67.8	3.8	1.83	1
2003-08a	16.69	0.13	-7.83	0.14	0.0210	0.0041	95.5	18.5	1.98	1
2003-08Ь	15.58	0.07	-8.94	0.09	0.0230	0.0009	87.0	3.2	1.94	1
2003-09a	15.88	0.09	-8.63	0.11	0.0311	0.0014	64.4	2.8	1.81	1
2003-09Ь	16.08	0.26	-8.43	0.27	0.0184	0.0046	108.6	27.2	2.04	1
2003-10e	15.77	0.01	-8.74	0.05	0.0219	0.0008	91.2	3.2	1.96	1
2003-11a	16.53	0.12	-7.98	0.13	0.0235	0.0021	85.1	7.6	1.93	1
2003-11Ь	15.26	0.11	-9.25	0.12	0.0368	0.0029	54.3	4.2	1.73	1
2003-12a	16.31	0.06	-8.20	0.08	0.0144	0.0006	139.1	5.3	2.14	1
2003-126	16.20	0.04	-8.32	0.06	0.0182	0.0016	109.7	9.4	2.04	1
2003-12e	15.30	0.18	-9.22	0.19	0.1282	0.0080	15.6	1.0	1.19	1
2004-01a	15.23	0.07	-9.29	0.09	0.0134	0.0003	148.8	3.8	2.17	1
2004-10a	15.79	0.11	-8.72	0.12	0.0441	0.0054	45.3	5.5	1.66	1
2005-10Ь	15.77	0.10	-8.75	0.11	0.0238	0.0018	84.2	6.2	1.93	1
2009-08e	16.08	0.05	-8.43	0.07	0.0108	0.0010	184.5	16.5	2.27	1
2009-10Ъ	15.60	0.12	-8.92	0.13	0.0084	0.0004	237.8	12.2	2.38	1
2009-11Ь	16.66	0.09	-7.85	0.10	0.0247	0.0027	81.1	8.9	1.91	1
2009-11e	15.84	0.10	-8.67	0.11	0.0314	0.0037	63.7	7.5	1.80	1
2010-06a	17.15	0.11	-7.36	0.12	0.0218	0.0022	91.7	9.2	1.96	1
2010-10a	16.35	0.18	-8.17	0.19	0.0258	0.0035	77.6	10.5	1.89	1
2010-10d	16.19	0.36	-8.33	0.36	0.0308	0.0094	64.8	19.7	1.81	1
1982-09e	15.42	11000	-9.09	440	0.0800	100	25.0	944	1.40	2
1985-10b	14.76	2300	-9.75		0.0290	See	69.0	200	1.84	2
1986-09a	15.68		-8.83	***	0.0130		153.8	***	2.19	2
1992-12a	16.20	***	-8.31		0.0070		285.7	-	2.46	3
1995-08d	18.40	200	-6.11	340	0.0460	1200	43.5	744	1.64	3
1995-08e	16.10	414	-8.41		0.0150	100	133.3	200	2.12	3
1995-11d	16.60	200	-7.91	***	0.0090	(***)	222.2	1986	2.35	3
2003-01b ^b	15.60°		-8.91	Mari	0.0210	1000	95.2		1.98	4
2003-02ab	14.90	***	-9.61		0.1290	***	15.5	***	1.19	4
2003-02bb	15.80°		-8.71	***	0.0310	(44)	64.5		1.81	4
2003-03ab	14.60°	***	-9.91	***	0.0780	0447	25.6	ter.	1.41	4
2003-05d ^b	15.10°	200	-9.41	440	0.0360	(988)	55.6	***	1.75	4
2003-06ab	15.50°		-9.01		0.0870	000	23.0		1.36	4

Notes.



⁽¹⁾ This work; (2) Ciardullo et al. (1990); (3) Shafter & Irby (2001); (4) Neill & Shara (2004).

^c Corrected for Hα bandpass (30 Å versus 75 Å) and Δm, adopting µ₀(M81) = 27.8 (Freedman et al. 2001).

- Does your slide have text, figures, and tables?
 - putting figures only
 - no words
 - Some students put figures only probably because they did not have enough time for making presentation slide.
- Copying a whole paragraph?
 - pasting a whole paragraph from the paper
 - full of words on a page of the slide
- Using a sentence on the paper as it is?
 - Do not copy a sentence from the paper.
 - Read the paper, understand what is written, and then give your own sentence.
- Skipping a whole section?
 - a whole section (e.g. discussion) is missing

- When you finish making the presentation slide, you may consider to show it to me (or to your friend).
 - I may be able to give some suggestions to your presentation slide.

Oral talk

- Have a practice of oral presentation.
 - Start a stopwatch when you start a practice.
 - Measure how much time you need for your talk.
 - You have 30-min of time for your talk. If you use 10-min only, then it is not a good oral talk.
- Have a practice with your friends.
 - Do your friends understand what you want to tell them?
 - Ask them how can you improve your talk.
- Think about possible questions other students may ask.
 - Write down possible questions.
 - Prepare answers for those questions.
 - Prepare additional pages of the slide for answering those questions.

Stopwatch on a mobile phone



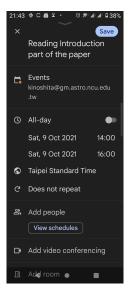
Oral talk

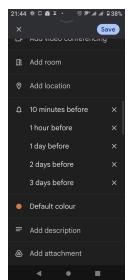
- Do not say "Oh, this paper does not mention about it.", when someone asks you a question.
 - If you say so, you may not be well prepared.
 - It may be a very basic issue. You may need to go through a textbook.
 - The paper does not describe in details, because of limited space. You may need to go through a reference.

Preparation for your talk is extremely important!

- For grading, preparation for your talk is extremely important!
 - 40 points at maximum for your first talk
 - 40 points at maximum for your second talk
 - You need to be well prepared for your talks.
 - Start your preparation today.
- A suggestion: have a good use of Google Calendar
 - Your mobile phone is a very useful device. It is not just for your fun, such as watching Youtube movies, but is also very helpful for your research activities.
 - Your mobile phone can help you to make and maintain your schedule.
 - Set important milestones, make events on your calendar, and activate notifications.
 - By creating events and setting notifications, you have smaller risk of forgetting the deadline.

Google Calendar



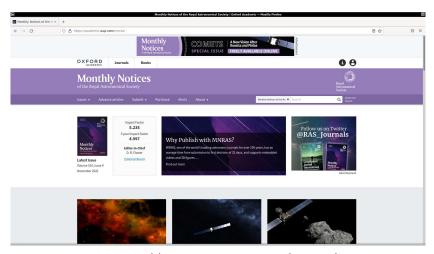


Today's Exercise #1

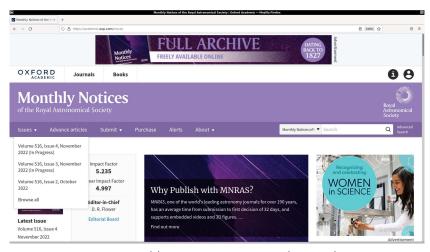
- Visit the official website of MNRAS.
 - https://academic.oup.com/mnras/
- Go to the latest issue (Volume 516, Issue 2, October 2022).
 - https://academic.oup.com/mnras/issue/516/2
- Check articles on the Volume 516, Issue 2.
- Pick a paper of your interest.
- Read the abstract of the paper.
- Find an English word that you do not know.

Today's Exercise #1

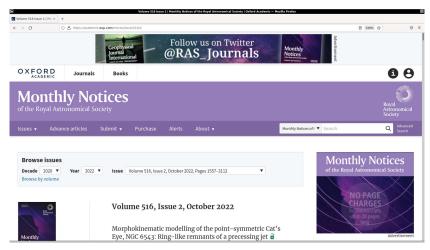
- Visit online dictionary, such as Cambridge Dictionary or Merriam-Webster Dictionary.
 - https://dictionary.cambridge.org/
 - https://www.merriam-webster.com/
- Use an online dictionary to find the meaning of the English word that you do not know the meaning.
- Write down
 - the information about the paper you choose
 - title, authors, publication year, journal name, volume number, page number, etc.
 - the word you choose,
 - the meaning of the word.
- When finished, tell us what you have found.



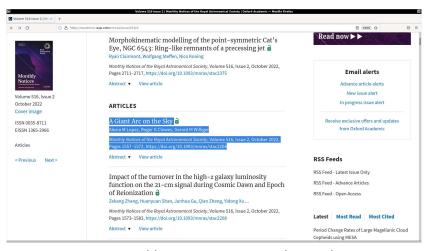
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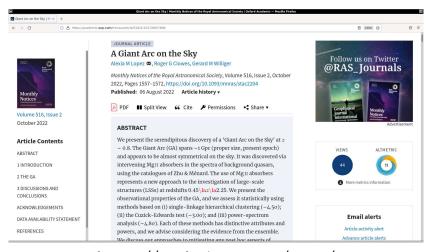
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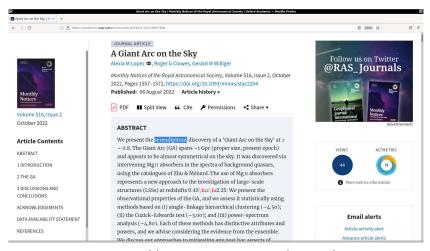
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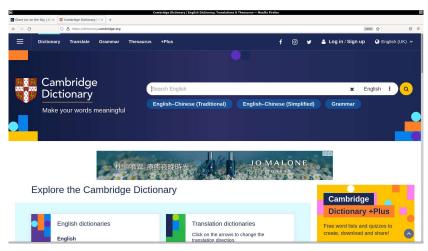


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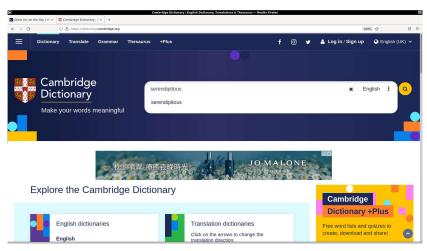
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Cambridge Dictionary



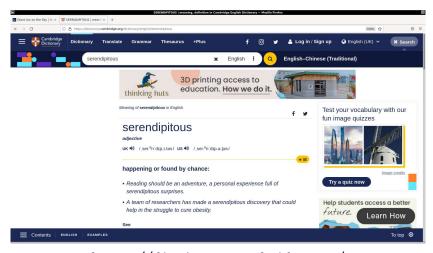
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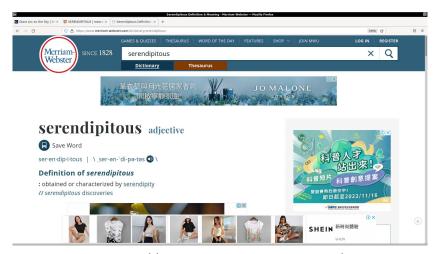
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