

COVID-19 から学んだこと: ノースカロライナ州立大学での事例



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NCSU におけるコロナの初動 (2020)

1/22 : 全学への非常事態通達

3/03 : Wake 郡、感染者確認

3/11 : 完全遠隔授業指示、Continuity Plan 作成指示
: 春休み 2 週間に延長 ~3/20

3/15 : CSC 学科、Teaching Continuity 委員会設置

3/26 : 自宅待機命令

4/01 : 夏学期の遠隔授業拡張指示

5/21 : 夏学期短縮 → 秋学期前倒し、早期終了指示 (8/10~11/13)

6/18 : Wake 郡、マスクの着用義務命令

NCSU コロナの現状

2,200 教員
6,500 職員
35,000 学生

NC STATE COVID-19 Dashboard

Vaccination

Vaccines Administered
Total administered on campus since 3/24/2020

9,592

Positive Cases *(From Campus Testing and Self-Reports)*

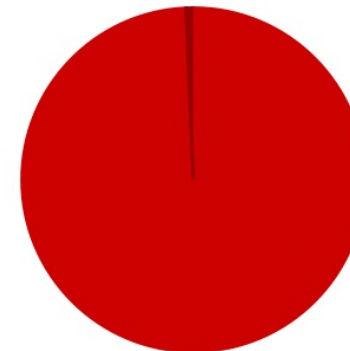
Daily Cases <i>6/22/2021</i>	Active Cases <i>Since 6/13/2021</i>	2021 Cases <i>Since 1/1/2021</i>	Total Cases <i>From 3/1/2020</i>
Employee Positives	0	3	386
Student Positives	0	1	1,287
Total Positives	0	4	1,673

3,697



Campus Testing *(From 1/1/2021)*

Positive: 0.69%



Negative: 99.31%

Employee Tests	73,388
Student Tests	143,240
Total Tests	216,628
Total Positives	1,484

NCSU 再始動に向けて

- PCR テスト、ワクチン接種
- マスクの着用は屋内に限り必要
- 研究室等、研究設備の利用可
 - 人数制限無し
- 学内の福利厚生施設は、徐々に通常復帰
 - ジム、カフェテリア、図書館

ポスト・コロナ・アンケート

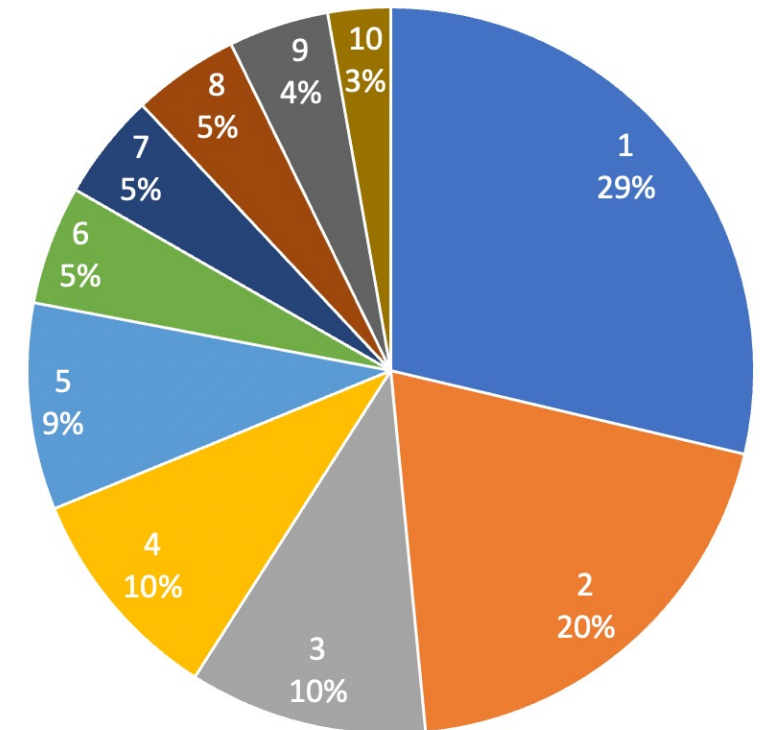
- 2021 年、早春
- Academic Policy 委員会、および、
University Research 委員会
- オープンエンドの質問 ～40 問
- 定性的コーディング

2020年秋学期：最も苦勞したことは？

Q9 - Please describe what you see as the biggest challenge you faced in teaching your course(s) in Fall 2020.

Q9: Most mentioned themes

<u>RANK</u>	<u>THEME</u>	<u># of MENTIONS</u>
1.	Student engagement	103
2.	Converting content to online (time)	71
3.	Supporting/connecting with students	38
4.	Testing/cheating	35
5.	Providing lab/hands on experience	33
6.	Student stress	19
7.	Grading/evaluating/assessment	17
8.	Learning new technology	17
9.	Child care responsibilities	16
10.	Lack of leadership	10

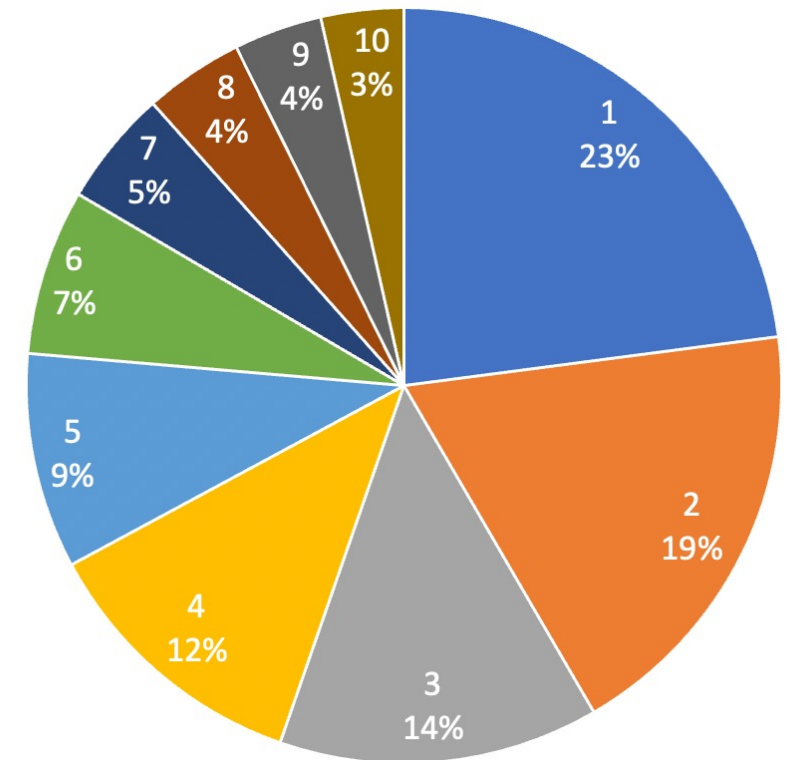


研究活動での苦勞は？

Q16 - Please describe what you consider to be the biggest challenge you have faced related to your research over this past year, during the COVID-19 pandemic, and how and why it has been such a challenge.

Q16: Most mentioned themes

<u>RANK</u>	<u>THEME</u>	<u># of MENTIONS</u>
1.	Time lost because of teaching, meetings, etc.	97
2.	Childcare/eldercare	79
3.	Lack of interaction/F2F collaboration	58
4.	Access to labs/buildings	50
5.	Inability to travel	39
6.	Faculty stress	30
7.	Recruiting PhDs/hiring student RAs	21
8.	Inability to go into the field	18
9.	Recruiting/access to human subjects	16
10.	Student morale/mental health	15

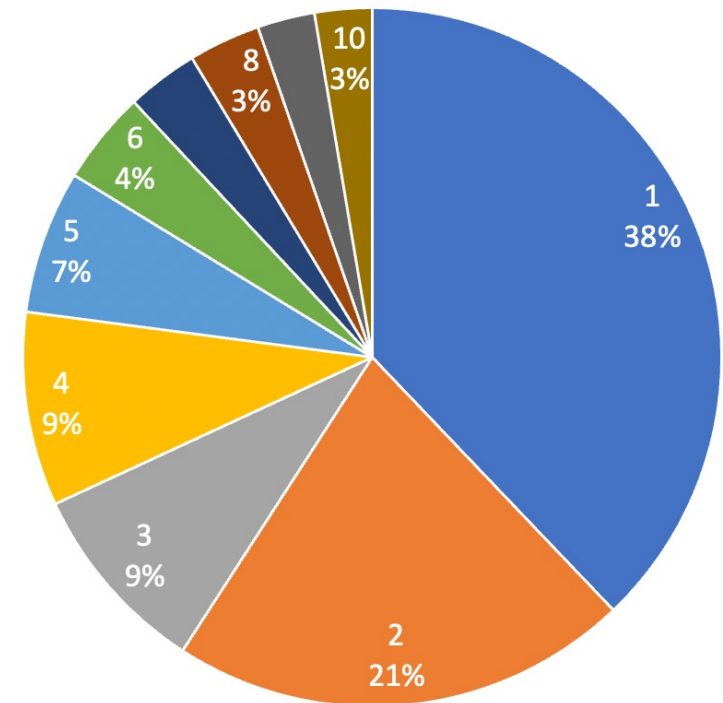


テクノロジーに関しての苦勞は？

Q25 - What have been your biggest challenges with respect to technology over the past year?

Q25: Most mentioned themes

<u>RANK</u>	<u>THEME</u>	<u># of MENTIONS</u>
1.	Reliable internet access: faculty and students	114
2.	Learning how to use it	64
3.	Lack of needed equipment at home	27
4.	None	27
5.	Out of pocket costs for equipment, wifi upgrades	20
6.	Internet disruptions	13
7.	Students' lack of computer skills	10
8.	Zoom fatigue	10
9.	Lack of support for IT problems	8
10.	Moving everything virtual	8

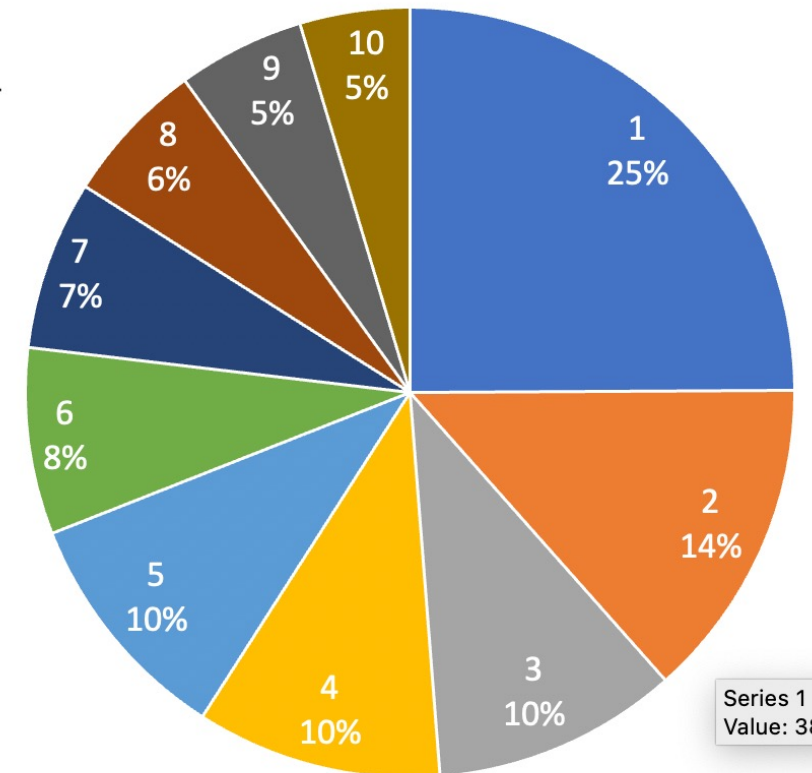


パンデミックの下、生き抜く力は？

Q33 - What have you found to be the most helpful strategies that have enabled you to be as productive and successful as possible in your role as a faculty member at NC State over this past year?

Q33: Most mentioned themes

<u>RANK</u>	<u>THEME</u>	<u># of MENTIONS</u>
1.	Time management/having a schedule	70
2.	Support from & collaboration with colleagues	38
3.	Working overtime/working hard	29
4.	Making the most out of Zoom & other technologies	29
5.	Focus on things I can control/acceptance of situation	28
6.	Self-care/give self some grace	22
7.	Tech support/working with technical staff	20
8.	Staying in regular touch with students	17
9.	None	15
10.	Flexibility with work hours/schedule	13



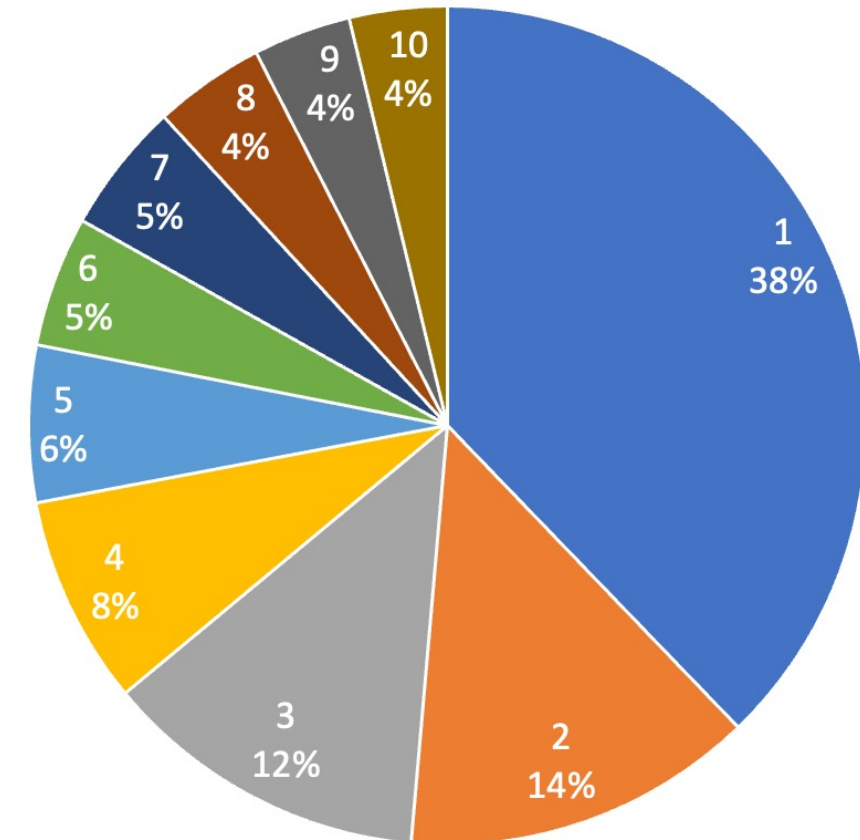
Series 1 F
Value: 38

不幸中の幸は？

Q35 - What, if any, "silver linings" (e.g., positive, good things) have come out of this pandemic experience for you in doing your job as a faculty member at NC State?

Q35: Most mentioned themes

<u>RANK</u>	<u>THEME</u>	<u># of MENTIONS</u>
1.	Discovering new ways to teach/learning new technologies	150
2.	Not having to commute to campus	54
3.	More time at home/being at home	50
4.	None	32
5.	Improved course designs/rethought course	24
6.	Mutual supporting through the crisis	20
7.	Participation in more conferences, workshops, etc.	20
8.	Was more productive	17
9.	More time to write	15
10.	Flexibility provided by Zoom	15

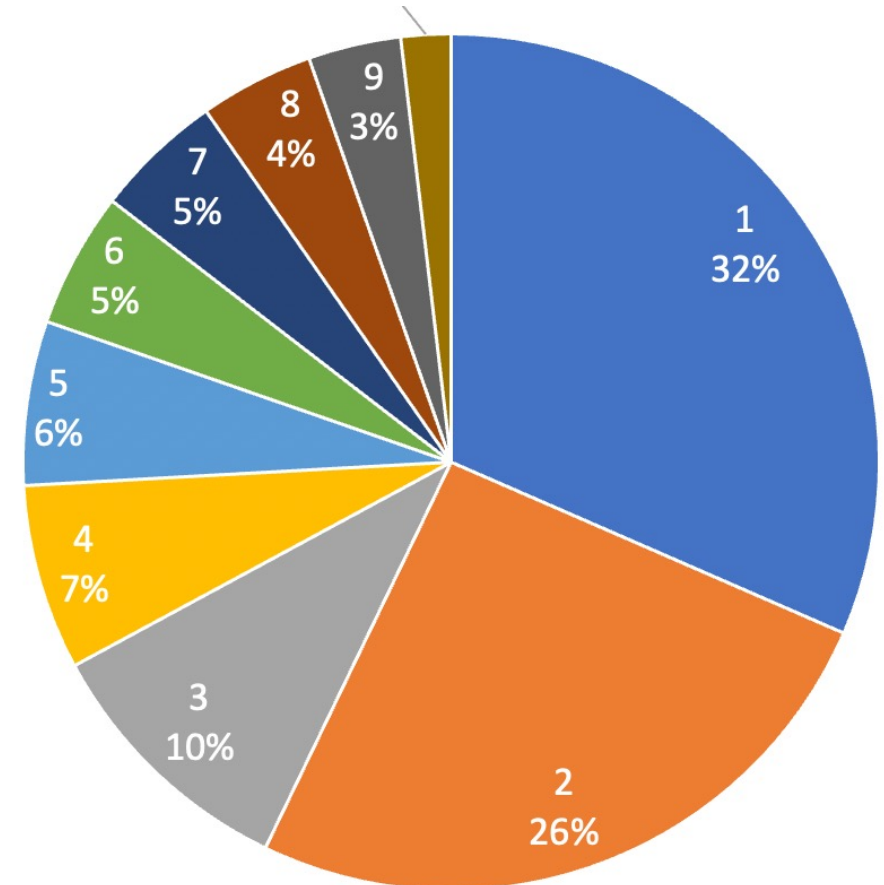


ポスト・コロナでも続けるべきことは？

Q34 - What changes implemented during the past year in response to the pandemic (e.g., specific strategies, policies, technologies), either by you or the university, do you think would be beneficial to continue, even under "normal," non-pandemic conditions?

Q34: Most mentioned themes

<u>RANK</u>	<u>THEME</u>	<u># of MENTION</u>
1.	More virtual participation, e.g., meetings, conferences, office hours	117
2.	Allow more remote working for faculty and staff	95
3.	End semester before Thanksgiving	37
4.	Flexibility in class delivery – hybrid, flipped	26
5.	None	23
6.	Option for F2F/online for faculty and students	19
7.	Continuing investing in tech support	18
8.	Start spring semester after MLK holiday	16
9.	Record all lectures	13
10.	More online classes	7



コロナから学んだこと

- + リモートは悪くない
- + 災い転じて福となすことはある
- + 就労・就学の形態は見直しの余地がある
- + 仕事と家庭/人生の両立は不可能ではないかもしれない
- ストレスと向き合う工夫が必要
- インフラの整備・拡充が必要

Learning Analytics は? ieclab.org

- PASTEL

- Suite of AI Driven Learning Engineering methods for Adaptive Online Course

- SMART

- 教材コンテンツからの知識抽出