

Appendix B. stm: R Package Survey Analysis. k (topics) = 3.

Topic 1 Top Words:

Highest Prob: sustain, ari, cours, also, one, think, environ, communiti, student, food, japan, realli, relationship, someth, around

FREX: action, approach, relationship, plate, toward, professor, around, beyond, gain, industri, scientif, societi, return, now, need

Lift: act, becam, bring, contempl, content, cultiv, due, exampl, gain, industri, intellectu, lead, leav, lifestyle, nodai

Score: mealtim, approach, awar, plate, action, situat, act, upon, return, say, intellectu, becam, occas, relationship, daili

Topic 1 Top Documents:

(97.7%) "i've already mentioned a lot of what i gained from the esj course in my previous answers fitting into intellectual questions at the time interests of study leading to traditional papermaking program in the summer relationships made with classmates ari people nodai students but the course really imparted to me that sustainability is not simply just a singular action that someone can check off and be done with sustainability is an awareness that permeates through life an awareness that one has to actively keep at the forefront of one's mind if one is to act upon it through that thought i've also come to think that the approach to being antisexist or antiracist has to come from being aware of the various forces surround a situation and to act upon that awareness to what extent one is responsible in being aware is something that i'm still trying to figure out and how does one cultivate it and the relationship between art and sustainability is a question that im content to wrangle with for a long time"

(97%) "since taking the course i now try to live with an environ lens every day considering how to be more sustainable in both small single actions and larger habits i frequently contemplate the relationship between humans and the rest of the planet brainstorming ways to promote sustainable progress the holistic manner in which we studied japanese society's views and actions towards nature went beyond the stem approach to environ sustainability the course effectively demonstrated that a multifaceted approach to sustainable development is key to the health of our planet looking at situations from social political and scientific viewpoints this sparked my current enthusiasm to pursue a career in environ policy and sustainable urban development"

(95.7%) "for the remainder of the year after returning from japan i abstained from eating red meat i did this because i was exposed to how wasteful and environly harmful the red meat industry is as a whole living in a community at ari that is 90 self sustaining gave me insight into how we can each take small steps in our daily routines to make an impact i also was apart of the onebowl club in japan a group of us that was determined to only use one plate for the entirety of the meal this carried over when i returned to campus as i would enter the caf i would only use one plate and no tray as to keep my usage and water needed for cleaning to a minimum"

(95.6%) "i became aware of the relationship between environ and food and the relationship between eating and community food doesn't magically appear on your plate there is an amazing process

that brings food from earth to plate and it is one that should be approached with care food is more than fuel for the body mealtimes are occasions of community bonding at their best”

(90.4%) “living in and as a part of ari intentional living community was both one of the most challenging and most interesting aspects of the course conducting interviews with ari staff and volunteers was also a memorable and useful experience the final essay was a significant and memorable experience for me”

Topic 2 Top Words:

Highest Prob: learn, experi, much, peopl, time, food, help, one, ari, farm, well, class, live, olaf, life

FREX: help, rememb, wonder, book, regard, enjoy, everyon, everyth, inspir, present, much, big, compost, futur, encourag

Lift: rememb, help, ashio, ate, big, book, built, carrot, comfort, compost, convinc, cook, deeper, despit, direct

Score: deeper, help, much, everyth, regard, futur, compost, sometim, purchas, hear, struggl, super, present, everyon, scrap

Topic 2 Top Documents:

(97.6%) “participating in the directed undergraduate research helped broaden my st olaf experience before taking this class i knew very little about farming agricultural science in general after working on a farm and seeing how the farmers come up with new ideas to sustain their farm made me appreciate farming a lot more it made me think more about how back home the food i purchase mainly comes from packages that have traveled miles and miles just to get to the grocery store rotating the jobs helped me see what i am capable of doing cooking over there especially inspired me to experiment more with cooking for myself at home in addition i got to meet new friends both from st olaf and ari i appreciated hearing everyones stories and seeing what they have accomplished and plan to pursue in the future though their lives and goals were quite different from mine they helped broaden my world in a way i have always been taught to go to college and figure out how to get a job and this linear path of thinking goalsetting is a privilege because that is how my world in the united states is laid out for me not everyone has that experience in the us and the volunteers at ari definitely do not all have that laid out for them thus hearing about what they decided to do and how they went about it was rewarding for me”

(97.2%) “everything and i mean everything since the course experience was like taking a super strong dose of life all at once complete with interactions with many different types of people and academic coursework the fact was that in that super condensed time frame of one month every waking moment and sometimes in dreams was a learning moment in which my classmates and i were having fun struggling stressed out learning about each other interacting with others farming doing homework and encouraging one another all at once life usually doesn’t separate itself into class and not class moments for learning and so without this course where learning and enjoyment was so on the fly and intermixed into one i don’t think i would have been able to come away with as much questions or complexities that still stick with me today”

(96.7%) “the community was built by spending so much together over the month the practices mostly came from spending time at ari and learning how they lived and limited there waste by so much

it was honestly inspiring their use of food waste in so many different ways was the most impactful in that regard the awareness of my footprint came from our time spent in tokyo and all the time we spent on train one of the most impactful experiences in that regard was when we cleared the train car by being too loud”

(95%) “a big part was being responsible for composting your scraps at the end of each meal doing that everyday helped me see how much food i waste and encouraged me to pay more attention to my own body and its wants needs also attending the morning chapel sessions forgot their official name helped teach me how to appreciate the people in my life”

(94.8%) “at ari they keep in touch with their past participants and it showed me that i have not always kept in touch with the people in my life so that is one thing i took away from the experience another thing i am be aware of is composting after my meals at the caf or cage i go ahead and compost my scraps i am also more aware of how much food i take”

(94.7%) “my first time off campus it was hard i struggled with mental health issues at the time but i still did i still can’t believe it i never thought i could do any of that especially since i caught the plague as soon as we landed but despite all that it was a wonderful experience it paved the way for my future experiences including the joy internship teaching japanese in hawaii and eventually jet”

(92%) “i met people that i am still in contact with that i would have not met in my major i have more appreciation for the food that i purchase knowing how much work goes into producing something that most consider simple i sometimes do rajotaiso when i’m feeling stiff”

Topic 3 Top Words:

Highest Prob: japan, cours, studi, environ, experi, cultur, new, field, trip, learn, time, place, sustain, countri, visit

FREX: place, countri, visit, discuss, allow, focus, opportun, abroad, want, cultur, lectur, field, studi, biolog, deepen

Lift: abroad, agricultur, allow, asia, balanc, biolog, chang, classroom, combin, compar, cooper, deepen, degre, divers, emphas

Score: nuclear, allow, discuss, lectur, countri, place, studi, visit, focus, compar, opportun, environ, perspect, cultur, want

Topic 3 Top Documents:

(97.8%) “compared to other experiences i found the course to be academically rigorous for a interim course not only was i trying to absorb a new culture meet new people and see new places i was trying to take an academically rigorous course and attend classes the course was memorable because we met so many professionals who were experts in their field it was a good balance of academic reading guided discussions lectures academic writing field experiences and journaling this is rarely seen in typical courses which tend to focus on lectures discussion and writing”

(97.5%) “in many ways what comes to mind first is exploring a new field while studying in a new and unfamiliar place though i was a biology major and took a few classes focused on sustainability i certainly did not have the experience or knowledge of a fullfledged environ studies major or concentrator i wanted to study a slightly different area of biology in addition to building on my curiosity and passion for sustainability for years i wanted to spend time on some kind of farm just to see what life

on the farm is like japan is also a country i had never previously been to so of course i wanted to explore an entirely new place including its language culture traditions etc and study my passion i saw this as an opportunity to do both all while making new friendships and immersing myself in the work that living on a farm requires”

(97.1%) “during my current studies masters degree i often find myself referring back to the research we did in japan not only during classroom work and discussions about environ policy and issues but also as a general interest topic outside academia the course allowed me to get a broader understanding of the japanese culture but also their environ work the course was a gateway to deepen ongoing studies and interests and to get hands on experiences in the field which i have benefited greatly from after graduating from st olaf college”

(97%) “being able to see understand and reflect on the actual impacts on the nature culture and the people in japan of one of the biggest environ disasters in our history cannot compare to discussing environ issues in a classroom setting as for furthering my knowledge and interest in environ work the course in japan has been a major steppingstone it is perhaps the most memorable experience i had during my time at st olaf and apart from the courses in environ economics and sustainable development it is the course that i most often find myself referring back to in my current studies both the literature that was provided and the experiences in the field the field trip to fukushima is definitely the part of the course which i think about the most”

(96.9%) “it’s hard to specifically identify specific ideas practices or habits that resulted from the course as with any study abroad experience it was life changing i still routinely tell stories about the trip and use the trip to interpret current events and how i understand the world it also demonstrated to me the diversity of cultures practices and thoughts while i don’t remain close to any of my peers who were on the trip i still firmly believe that the course was an overwhelming positive experience that emphasized the spirit of adventure and learning that are so important to me the course ultimately taught me to continue to push myself try to new things and to become a lifelong learner”

(96.9%) “this course allowed me to expand both my field of studies as well as my perspective of the world at the time i was still pretty new to the field of environ studies and this class served as my first venture into the field of asian studies this class was my first study abroad opportunity it was also my time on the continent of asia both of these factors greatly changed my view of myself and the world”

(96.9%) “before studying in japan id already completed extensive coursework in the biology and asian studies departments including a biology course in ecuador my studies in ecuador created desires to explore more places understand more perspectives seek out more experiential learning and protect the wellbeing of the planet environ sustainability in japan incorporated my passions for environ justice and asian culture into a course that gave me the opportunity to develop my ability to consider sustainability more broadly in particular i wanted to challenge myself to think more globally and to practice using social science lenses”

(96.3%) “we could have read and studied the same course material in northfield mn but i don’t believe the lessons i personally believe to have had the most lasting effects on me would have been conveyed in the same manner i believe that physically being in japan visiting fukushima daiichi living at the asian rural institute meeting with farm owners and navigating the shelves of grocery stores in tokyo all played a vital role in my learning experience”

(96.3%) “i wanted to be able to travel to japan asian con was hard because of its large amount of classes which were not my major at the time additionally i wanted to focus on japan rather than split my time between japan and china in this class i was able to live on a farm another dream of mine meet new people explore environ studies and live in japan as a study abroad lite of sorts”

(95.7) “i tell anyone who asks me about my time in japan that it was wholeheartedly the best month of my life the contrast of tokyo and rural japan that we encountered within the first few days in in the country was a shock to the system and seeing how absolutely different these two places were gave me an incredible appreciation to how we take for granted our surroundings my favorite memory of our month in japan was hiking through the mountains in nikko national park was incredible”

(95.6%) “while taking classes at stolaf you learning in a classroom environ with sustainability in japan you are learning every moment of the day the most distinctive aspect of environ in japan would have to be the different cultural experiences over the course of the month japan as a country is so different to any other country i have had the opportunity to visit the juxtaposition of a highly developed country being so entwined with spirituality and nature the seamless incorporation of temples shrines and nature within an urban landscape still boggles my mind”

(95.3%) “the unique combination of field study eg nikko the copper mine guest lectures eg fukushima and cultural experiences eg moochimakng gave these lasting lessons one thing that really struck me about the course was that we were not focused on traditional tourist activities and we actively tried to visit less well-known places in japan this was very important to me i can always travel places and see the main sites but its the unique cultural components that are off the beaten track which are important”

(92%) “it allowed me to meet new people explore new cultures and have an unparalleled adventure that was the marquee event of my undergraduate career not only was the trip a unique and engaging academic experience that was a deep study of sustainability and food culture in japan it was a onceinalifetime trip to travel to asia and connect with students furthermore since the trip came during my final year at st olaf it was a great capstone experience that was a culmination of my environ studies major”

(90.1%) “mainly our discussions of and trip to the nuclear explosion also the readings”

Table B1. STM Distribution of Proportions

response	TOPIC 1	TOPIC 2	TOPIC 3
1	0.012	0.976	0.013
2	0.079	0.338	0.583
3	0.04	0.039	0.92
4	0.232	0.02	0.748
5	0.337	0.597	0.067
6	0.028	0.448	0.524
7	0.433	0.023	0.544

8	0.015	0.021	0.963
9	0.304	0.018	0.678
10	0.019	0.593	0.388
11	0.014	0.014	0.971
12	0.015	0.017	0.969
13	0.157	0.052	0.791
14	0.228	0.055	0.716
15	0.022	0.598	0.38
16	0.737	0.03	0.233
17	0.012	0.013	0.975
18	0.019	0.012	0.969
19	0.104	0.683	0.213
20	0.354	0.271	0.375
21	0.011	0.012	0.978
22	0.023	0.021	0.956
23	0.611	0.376	0.013
24	0.363	0.61	0.027
25	0.019	0.024	0.957
26	0.022	0.947	0.03
27	0.904	0.042	0.054
28	0.233	0.605	0.163
29	0.016	0.014	0.97
30	0.277	0.245	0.478
31	0.03	0.466	0.503
32	0.029	0.495	0.476
33	0.045	0.298	0.657
34	0.238	0.493	0.269
35	0.019	0.38	0.601
36	0.388	0.162	0.45

37	0.03	0.948	0.023
38	0.956	0.024	0.02
39	0.014	0.018	0.969
40	0.226	0.688	0.087
41	0.977	0.011	0.012
42	0.294	0.688	0.018
43	0.957	0.019	0.023
44	0.205	0.578	0.217
45	0.23	0.221	0.549
46	0.301	0.133	0.565
47	0.517	0.042	0.441
48	0.511	0.455	0.035
49	0.039	0.92	0.041
50	0.751	0.199	0.05
51	0.227	0.632	0.141
52	0.38	0.296	0.325
53	0.326	0.586	0.088
54	0.97	0.012	0.018
55	0.027	0.95	0.023
56	0.602	0.264	0.134
57	0.029	0.018	0.953
58	0.016	0.021	0.963
59	0.013	0.972	0.016
60	0.386	0.428	0.186
61	0.021	0.273	0.706
62	0.055	0.78	0.165
63	0.036	0.499	0.466
64	0.706	0.161	0.133
65	0.051	0.058	0.891

66	0.018	0.967	0.016
67	0.479	0.047	0.474
68	0.029	0.892	0.079
69	0.792	0.082	0.126
70	0.051	0.048	0.901
71	0.19	0.032	0.778
72	0.316	0.03	0.654