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2018-19 Antarctic Travel Project data set

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Recommended Citation

Sammells, Clare A.; Roedel, Claudia; Griffin, Duane; and Busato, Alexander, "2018-19 Antarctic Travel Project data set" (2023). *Other Faculty Research and Publications*. 184.

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2018-2019 Antarctic Travel Project, Bucknell University

Compiled data set

Authors: Clare A. Sammells, Claudia Roedel, Duane Griffin, and Alex Busato

Published June 29, 2023

Method: For the 2018-2019 season, we distributed paper surveys to travelers on expedition ships leaving from Ushuaia, Argentina for the Antarctic peninsula. We used paper instead of distributing internet links, as we had done during the 2015-2016 season, in the hope of improving response rates; internet access on Antarctic expedition ships is often inconsistent and frustratingly slow, making an internet survey less ideal. In order to fit the paper survey on a single printed page, we chose a subset of the questions used on the 2015-2016 internet survey. That instrument is included here. We received 461 responses, which is the n throughout the dataset. “Unanswered” indicates that nothing was written on the survey instrument for that question.

The Ushuaia Tourism Office, INFUETUR, graciously assisted us in distributing surveys to the expedition guides. Guides then distributed the surveys to their passengers onboard, collected completed surveys, and returned them to the INFUETUR office. These were then mailed to the authors to be analyzed. We offer our deep thanks to all those who assisted with this survey!

Responses were collected between December 2018 and February 2019, a timeframe that corresponds to the Antarctic tourism season. Once the paper responses were received at Bucknell University, the data was entered into Qualtrics for analysis by Alex Busato. All responses came from tourists on a single expedition ship, albeit over the course of several voyages; the name of the ship is omitted here for the purposes of confidentiality.

Some of the survey questions were taken from other, larger surveys in the hopes of producing comparable data. Those surveys, and their corresponding questions, are indicated by the relevant questions.

All questions were optional, so “n” numbers are given per question, and percentages for each question are derived using the n for that question. These research protocols were reviewed and approved by the Bucknell University Institutional Review Board (IRB #1516-053, 1516-116 and 1718-057).

Welcome to Bucknell University's 2018-2019 Antarctic Travel Experience Survey

ATE is an academic research project to understand Antarctic visitors and their interests and experiences in order to support and enhance Antarctic conservation and tourism. The survey itself is anonymous, and all data will be aggregated before being released publically. For more information visit www.projects.bucknell.edu/antarctour.

Date: _____

Age: _____

Gender: _____

Country of Primary Residence: _____ Citizenship(s): _____

Highest Level of Education: High School or equivalent 2 or 4 year College Degree

Graduate education/degree (please specify) _____ Other: _____

Current Employment Status: Employed or Self-employed Not employed Retired

Unable to work Other: _____ Current/Most Recent Job Title: _____

Ship Name: _____ Are you travelling with family/friends? Who? _____

On a scale of 1 to 10 (1 = "fully disagree;" 10 = "fully agree"), how strongly do you agree with the following?

_____ Science and technology are making our lives healthier, easier, and more comfortable.

_____ Science and technology have created more opportunities for the next generation.

_____ We depend too much on science and not enough on faith.

_____ One of the bad effects of science is that it breaks down people's ideas of right and wrong.

_____ It is not important for me to know about science in my daily life.

Which of the following would you support in Antarctica? (check all that apply)

Small scale ship tourism (<200 per ship, short excursions ashore)

Educational trips for students

Medium scale ship tourism (200-500 per ship, short excursions ashore)

Building new stations for scientific research

Large scale ship tourism (500+ per ship, no excursions ashore)

Mining/oil exploration

Strictly limiting or forbidding tourism

Fishing

Extreme sports (e.g. mountaineering, skiing, skydiving...) in the interior of Antarctica

Whaling

Designation as a wilderness preserve with limited infrastructure for human activities

Designation of large Marine Protected Areas for marine wildlife conservation

How important is the issue of global warming to you personally?

Extremely important Very important Somewhat important Not too important Not at all important

How worried are you about global warming?

Very worried Somewhat worried Not very worried Not at all worried

How much do you think global warming will harm you personally?

A great deal A moderate amount Only a little Not at all Don't know

How much do you think global warming will harm future generations of people?

A great deal A moderate amount Only a little Not at all Don't know

Follow-up interview and/or more information on the project? We invite you to participate in a brief follow-up interview in ~6 months by providing contact information (name + email or phone #) on the back of this form. Contact information will kept strictly confidential and will only be used to contact you directly for interviews and/or updates on the project. This research is being funded by Bucknell University and has been approved by the Bucknell University Institutional Review Board (#1516-053). Questions? Email ateproject@bucknell.edu

Thank you!

Q1. Date [Note: As these surveys were taken aboard the expedition ship, this indicates when the respondent traveled to Antarctica. Information was compiled by month.]

	%	Count
December 2018	41.43%	191
January 2019	40.56%	187
February 2019	18.00%	83

Q2. Age [Note: question was open-ended; authors compiled into these categories.]

	%	Count
18-24	0.43%	2
25-34	0.87%	4
35-44	1.30%	6
45-54	5.21%	24
55-64	14.32%	66
65-74	58.35%	269
75-84	16.27%	75
85 or over	0.43%	2
<i>Unanswered</i>	2.8%	13

Q3. Gender

	%	Count
Male	38.61%	178
Female	61.17%	282
Prefer not to say	0.00%	0
<i>Unanswered</i>	0.22%	1

Q4. Country of primary residence [Note: Question was open-ended.]

	%	Count
United States of America	87.42%	403
Australia	0.43%	2
Canada	0.65%	3
Israel	0.22%	1
<i>Unanswered</i>	11.28%	52

Q5. Citizenship(s) [Note: Question was open-ended.]

	%	Count
United States of America	98.26%	453
Australia	0.43%	2
Canada	0.22%	1
Israel	0.22%	1
Russian Federation	0.22%	1
<i>Unanswered</i>	0.65%	3

Q6. Highest level of education

	%	Count
High School Graduate or equivalent	3.47%	16
2- or 4-year College Degree	28.20%	130
Graduate education / degree. Please specify:	67.25%	310
Other	0.87%	4
<i>Unanswered</i>	0.22%	1

Q7. Current Employment status

	%	Count
Employed or self-employed	17.35%	80
Not employed	1.30%	6
Retired	77.01%	355
Unable to work	0.22%	1
Other	1.30%	6
<i>Unanswered</i>	2.82%	13

Q8. Current/most recent job title:

[Answers removed to maintain confidentiality.]

Q9. Are you traveling with family/friends? Who? [Note: question was open-ended; authors compiled into these categories. Some respondents checked multiple options.]

	%	Count
Alone	17.6%	81
Spouse/Partner	60.1%	277
Friend/Friends	20.4%	94
Children/Family	10%	46
Other	0%	0
<i>Unanswered</i>	0.22%	1

Q10. On a scale of 1 to 10 (1 = “fully disagree;” 10 = “fully agree”), how strongly do you agree with the following? [Note: This question was taken from the [World Values Survey Wave 6 questions](#), V192-196.]

	Minimum	Maximum	Mean	Std Deviation	Variance	Count
Science and technology are making our lives healthier, easier, and more comfortable.	1.00	10.00	9.01	1.42	2.02	456
Science and technology have created more opportunities for the next generation.	1.00	10.00	9.04	1.51	2.29	447
We depend too much on science and not enough on faith.	0.00	10.00	2.88	2.67	7.12	441
One of the bad effects of science is that it breaks down people’s ideas of right and wrong.	0.00	10.00	2.23	2.36	5.58	438
It is not important for me to know about science in my daily life.	0.00	10.00	1.80	2.13	4.54	443

Q11. Which of the following would you support in Antarctica? (Check all that apply)

[Note: This question was taken from Tin, T., Bastmeijer, K., O’Reilly, J., & Mayer, P. (2012). Public perception of the Antarctic wilderness: Surveys from an educated, environmentally knowledgeable European community. *Science and Stewardship to Protect and Sustain Wilderness Values, Rocky Mountain Research Station (Proceedings RMRS-P-64), Fort Collins, 2011*, 109–117. Page 112.]

	Percentage in favor n = 460	Number indicating support
Small scale ship tourism (<200 per ship, short excursions ashore)	96.6%	446
Medium scale ship tourism (200-500 per ship, short excursions ashore)	7.2%	33
Large scale ship tourism (500+ per ship, no excursions ashore)	6.7%	31
Strictly limiting or forbidding tourism	13.5%	62
Extreme sports (e.g. mountaineering, skiing, skydiving...) in the interior of Antarctica	3.3%	15
Educational trips for students	25.9%	341
Building new stations for scientific research	55.2%	254
Mining/oil exploration	2.6%	12
Fishing	4.6%	21
Whaling	1.1%	5
Designation as a wilderness preserve with limited infrastructure for human activities	80%	368
Designation of large Marine Protected Areas for marine wildlife conservation	83.9%	386

Q12. How important is the issue of global warming to you personally?

	%	Count
Extremely important	56.62%	261
Very important	22.78%	105
Somewhat important	13.88%	64
Not too important	5.64%	26
Not at all important	0.87%	4
<i>Unanswered</i>	0.22%	1

Q13. How worried are you about global warming?

	%	Count
Very worried	59.87%	276
Somewhat worried	27.33%	126
Not very worried	10.63%	49
Not at all worried	2.17%	10

Q14. How much do you think global warming will harm you personally?

	%	Count
A great deal	18.44%	85
A moderate amount	42.73%	197
Only a little	27.55%	127
Not at all	5.86%	27
Don't know	5.42%	25

Q15. How much do you think global warming will harm future generations of people?

	%	Count
A great deal	75.27%	347
A moderate amount	12.58%	58
Only a little	6.29%	29
Not at all	0.43%	2
Don't know	5.21%	24
<i>Unanswered</i>	0.22%	1

Q16. Follow-up interview and/or more information on the project?

	%	Count
Yes	47.29%	218
No	52.71%	243