Virginia Tech
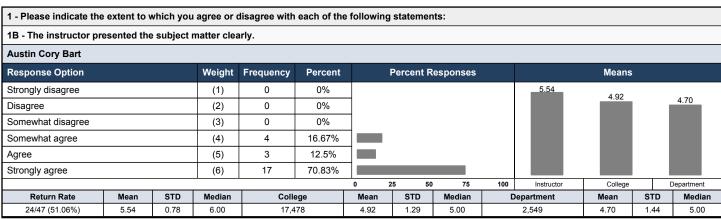# Spring 2017 VT Student Perceptions of Teaching (SPOT)

Course: CS_1014_18161_201701: Intro Computational Thinking-Bart Section (MW)

Instructor: Austin Cory Bart * ,Dennis G Kafura,Javier Tibau

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1 - Please indicate the extent to which you agree or disagree with each of the following statements:

1A - The instructor was well prepared.

Austin Cory Bart

Response Option	Weight	Frequency	Percent
Strongly disagree	(1)	0	0%
Disagree	(2)	0	0%
Somewhat disagree	(3)	0	0%
Somewhat agree	(4)	0	0%
Agree	(5)	5	20.83%
Strongly agree	(6)	19	79.17%

Percent Responses chart. Means: Instructor 5.79, College 5.19, Department 5.01

Return Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median
24/47 (51.06%)	5.79	0.41	6.00	17,558	5.19	1.09	5.00	2,554	5.01	1.23	5.00

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1 - Please indicate the extent to which you agree or disagree with each of the following statements:

1B - The instructor presented the subject matter clearly.

Austin Cory Bart

Response Option	Weight	Frequency	Percent
Strongly disagree	(1)	0	0%
Disagree	(2)	0	0%
Somewhat disagree	(3)	0	0%
Somewhat agree	(4)	4	16.67%
Agree	(5)	3	12.5%
Strongly agree	(6)	17	70.83%

Percent Responses chart. Means: Instructor 5.54, College 4.92, Department 4.70

Return Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median
24/47 (51.06%)	5.54	0.78	6.00	17,478	4.92	1.29	5.00	2,549	4.70	1.44	5.00

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1 - Please indicate the extent to which you agree or disagree with each of the following statements:

1C - The instructor provided feedback intended to improve my course performance.

Austin Cory Bart

Response Option	Weight	Frequency	Percent
Strongly disagree	(1)	0	0%
Disagree	(2)	1	4.35%
Somewhat disagree	(3)	0	0%
Somewhat agree	(4)	0	0%
Agree	(5)	4	17.39%
Strongly agree	(6)	18	78.26%

Percent Responses chart. Means: Instructor 5.65, College 4.84, Department 4.58

Return Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median
23/47 (48.94%)	5.65	0.88	6.00	17,471	4.84	1.33	5.00	2,547	4.58	1.49	5.00

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1 - Please indicate the extent to which you agree or disagree with each of the following statements:

1D - The instructor fostered an atmosphere of mutual respect.

Austin Cory Bart

Response Option	Weight	Frequency	Percent
Strongly disagree	(1)	0	0%
Disagree	(2)	0	0%
Somewhat disagree	(3)	0	0%
Somewhat agree	(4)	0	0%
Agree	(5)	4	17.39%
Strongly agree	(6)	19	82.61%

Means: Instructor 5.83, College 5.27, Department 5.04

Return Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median
23/47 (48.94%)	5.83	0.39	6.00	17,455	5.27	1.08	6.00	2,532	5.04	1.25	5.00

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1 - Please indicate the extent to which you agree or disagree with each of the following statements:

1E - Overall, the instructor's teaching was effective.

Austin Cory Bart

Response Option	Weight	Frequency	Percent
Strongly disagree	(1)	0	0%
Disagree	(2)	1	4.17%
Somewhat disagree	(3)	0	0%
Somewhat agree	(4)	0	0%
Agree	(5)	6	25%
Strongly agree	(6)	17	70.83%

Means: Instructor 5.58, College 4.89, Department 4.63

Return Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median
24/47 (51.06%)	5.58	0.88	6.00	17,371	4.89	1.34	5.00	2,518	4.63	1.51	5.00

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2 - 2A - What did the instructor do that most helped in your learning?

Austin Cory Bart

• Very personal, well structured class, and had a plan for every class and the entire semester.

• Explain things clearly

• He was great with helping each student understand the material by giving step-by-step directions.

• Professor Bart was always incredibly motivated to help us with any questions we could come up with, and always had an answer for us. He was very understanding with any of our mishaps and worked with us to teach us.

• Assisted one on one.

• Very helpful, gave his full attention to his students and was passionate about helping his students be successful.

• Helped answer our questions but also made us find answers on our own

• Absolutely Fantastic Prof.

• I like how he tries to help us with code when we're struggling w/o just telling us what to do

• Was clear, concise, and very helpful. Never had a problem explaining something or answering questions. Very enthusiastic about teaching and seems to care about students.

• He was very passionate about what he taught and he asked lots of questions for students to answer, keeping us actively involved, and boosting my ability to learn.

• Providing all the instructions and readings online.

• Professor Bart is an amazing person and nothing short of a great teacher. He was very helpful and challenging at the same time. I really enjoyed working with him in class and during office hours. Honestly, I could not have asked for a better professor. I am very fortunate.

• N/A

• His enthusiasm for helping us learn

• His lectures were well explained. During a time when I didn't fully understand the concepts, Cory explained things to me personally and always made sure I understood the material. He was very helpful during the mini project and final project as I learned how to code even with coding techniques not taught in class. He has great patience.

• He really made sure that his students actually knew the material. Since this is a coding class, grasping certain concepts can be difficult and I believe he tried his best in making it more easy for his students to understand!

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3 - Please indicate the extent to which you agree or disagree with each of the following statements:

3A - I have a deeper understanding of the subject matter as a result of this course.

Response Option	Weight	Frequency	Percent
Strongly disagree	(1)	0	0%
Disagree	(2)	1	4.17%
Somewhat disagree	(3)	0	0%
Somewhat agree	(4)	2	8.33%
Agree	(5)	8	33.33%
Strongly agree	(6)	13	54.17%

Means: Instructor 5.33, College 5.00, Department 4.92

Return Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median
24/47 (51.06%)	5.33	0.96	6.00	15,553	5.00	1.18	5.00	2,084	4.92	1.28	5.00

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3 - Please indicate the extent to which you agree or disagree with each of the following statements:

3B - My interest in the subject matter was stimulated by this course.

Response Option	Weight	Frequency	Percent
Strongly disagree	(1)	0	0%
Disagree	(2)	1	4.17%
Somewhat disagree	(3)	2	8.33%
Somewhat agree	(4)	1	4.17%
Agree	(5)	5	20.83%
Strongly agree	(6)	15	62.5%

Means: Instructor 5.29, College 4.70, Department 4.59

Return Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median
24/47 (51.06%)	5.29	1.16	6.00	15,483	4.70	1.42	5.00	2,072	4.59	1.52	5.00

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4 - 4A - What could you have done to be a better learner?

• Less blockpy more "real" code

• I could've done my work a little more in advance.

• I have a very high "A" in this class, although I have an A, I could still have improved more on my Final Project and focused more on the data and research that went into the project.

• Studied harder.

• improve my python skills

• Nothing

• spent more time learning the subject material

• I could've relied less on my cohort's help and tried to figure things out on my own first more.

• Reading more thoroughly through each lesson. Attending class more often.

• I think that I could have remained more calm. In the beginning and the middle of the semester I got upset fairly quickly because I wasn't able to keep up. However, toward the end of the semester I realized that I could keep up and that I did know the material. I know the material better than most of my classmates, but only because I struggled and asked questions. Furthermore, my instructor provided office hours and was very flexible with his schedule.

• N/A

• I could have paid attention in class a bit more since we have our computers out sometimes I can get distracted.

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5 - 5A - Please add any additional comments regarding the course and/or instructor here:

Austin Cory Bart

• Please limit the amount of Blockpy used in the course because I don't believe it helped me or anyone in my cohort learn code. Other than than it was a very engaging class and I will recommend it to other students. (p.s You deserve a better time slot for your class)

• Great class!

• :)

• Sometimes the lessons seemed very advanced. The material would be explained in the most efficient way possible, but I am not a STEM major and this was my first computer science class, so sometimes it was hard to understand the instructions for assignments still. The way things were explained and the terms that were used did not seem beginner level. I feel like things could have been explained in simpler ways terms to understand more clearly.

• I just want to say thank you so much. I couldn't have asked for a better instructor. I learned a tremendous amount about computational thinking and in the midst of everything, I learned more about myself. My instructor set a good example of how to handle difficult problems and situations. I will him as a model in and outside of the classroom.

• N/A

• Great teacher. Attentive to needs of all his students and very patient.

• I liked the structure of this class! It did start off really easy and then shifted gears towards the end of the semester but it was still manageable.

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6 - 6A - How would you rate the physical environment in which you took this class based upon your ability to see, hear, concentrate, and participate?

Response Option	Weight	Frequency	Percent	Percent Responses	Means
Very Bad	(1)	0	0%		
Bad	(2)	0	0%		
Poor	(3)	0	0%		
Fair	(4)	1	4.35%		
Good	(5)	7	30.43%		
Very Good	(6)	15	65.22%		Instructor 5.61 College 5.09 Department 5.04

Return Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median
23/47 (48.94%)	5.61	0.58	6.00	15,451	5.09	0.95	5.00	2,059	5.04	0.99	5.00

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7 - 7A - Please add any comments about the physical environment here:

• Overall, very good.

• Chairs are way too high for desks, left class with back hurting every class

• The use of the cohort was good because we made friends and would help each other with problems that we had

• I loved how involved the professor and the TA's were. I also loved the set up with cohorts and having what became good friends to help with classwork.

• Everything was great. Comfortable. Quiet. Respectful.

• N/A

• I liked the room that this class was in since it was spacious and wasn't crammed. The time of the class was less than ideal though.

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8 - Please indicate the extent to which you agree or disagree with each of the following statements:

I improved my ability to problem solve.

Response Option	Weight	Frequency	Percent	Percent Responses	Means
Strongly disagree	(1)	0	0%		
Disagree	(2)	0	0%		
Somewhat disagree	(3)	1	4.17%		
Somewhat agree	(4)	2	8.33%		
Agree	(5)	10	41.67%		
Strongly agree	(6)	11	45.83%		Instructor 5.29 College 4.96 Department 4.87

Return Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median
24/47 (51.06%)	5.29	0.81	5.00	15,496	4.96	1.10	5.00	2,074	4.87	1.21	5.00

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8 - Please indicate the extent to which you agree or disagree with each of the following statements:

The textbook or course readings made a valuable contribution to my learning.

Response Option	Weight	Frequency	Percent	Percent Responses	Means
Strongly disagree	(1)	0	0%		Instructor 4.79
Disagree	(2)	1	4.17%		College 4.40
Somewhat disagree	(3)	2	8.33%		Department 4.24
Somewhat agree	(4)	6	25%		
Agree	(5)	7	29.17%		
Strongly agree	(6)	8	33.33%		

Return Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median
24/47 (51.06%)	4.79	1.14	5.00	15,419	4.40	1.50	5.00	2,070	4.24	1.58	5.00

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8 - Please indicate the extent to which you agree or disagree with each of the following statements:

The objectives of the course were clearly explained.

Response Option	Weight	Frequency	Percent	Percent Responses	Means
Strongly disagree	(1)	0	0%		Instructor 5.46
Disagree	(2)	0	0%		College 4.96
Somewhat disagree	(3)	1	4.17%		Department 4.75
Somewhat agree	(4)	1	4.17%		
Agree	(5)	8	33.33%		
Strongly agree	(6)	14	58.33%		

Return Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median
24/47 (51.06%)	5.46	0.78	6.00	15,479	4.96	1.18	5.00	2,066	4.75	1.32	5.00

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8 - Please indicate the extent to which you agree or disagree with each of the following statements:

The out-of-class assignments were educationally valuable.

Response Option	Weight	Frequency	Percent	Percent Responses	Means
Strongly disagree	(1)	0	0%		Instructor 5.33
Disagree	(2)	0	0%		College 4.95
Somewhat disagree	(3)	0	0%		Department 4.91
Somewhat agree	(4)	3	12.5%		
Agree	(5)	10	41.67%		
Strongly agree	(6)	11	45.83%		

Return Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median
24/47 (51.06%)	5.33	0.70	5.00	15,391	4.95	1.22	5.00	2,055	4.91	1.28	5.00

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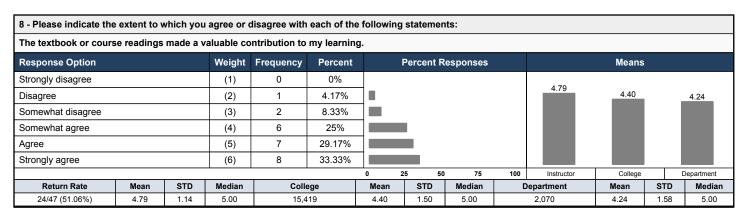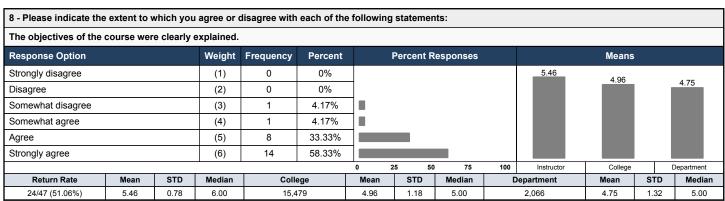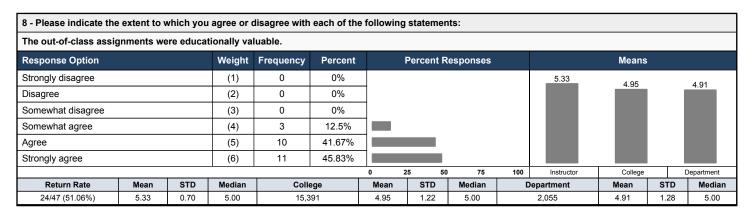## Spring 2017 VT Student Perceptions of Teaching (SPOT)

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9 - The instructor related theories and concepts to practical issues.

Austin Cory Bart

Response Option	Weight	Frequency	Percent
Strongly disagree	(1)	0	0%
Disagree	(2)	0	0%
Somewhat disagree	(3)	0	0%
Somewhat agree	(4)	2	8.33%
Agree	(5)	6	25%
Strongly agree	(6)	16	66.67%

Means: Instructor 5.58, College 5.18, Department 4.90

Return Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median
24/47 (51.06%)	5.58	0.65	6.00	17,268	5.18	1.07	5.00	2,501	4.90	1.28	5.00

10 - I learned to apply principles from this course to new situations.

Response Option	Weight	Frequency	Percent
Strongly disagree	(1)	1	4.35%
Disagree	(2)	0	0%
Somewhat disagree	(3)	0	0%
Somewhat agree	(4)	1	4.35%
Agree	(5)	9	39.13%
Strongly agree	(6)	12	52.17%

Means: Instructor 5.30, College 4.83, Department 4.83

Return Rate	Mean	STD	Median	College	Mean	STD	Median	Department	Mean	STD	Median
23/47 (48.94%)	5.30	1.11	6.00	2,081	4.83	1.28	5.00	2,081	4.83	1.28	5.00