

Computational MRI Coursework 1 code listing:

Question 1 files:

Spin_excess.m

https://github.com/DavidScobie/COMP0121/blob/coursework1/Coursework1/Q1/spin_excess.m

Question 2 files:

Question 2 part 1:

z_rotation.m

https://github.com/DavidScobie/COMP0121/blob/coursework1/Coursework1/Q2/z_rotation.m

Question 2 part 2:

x_rotation.m

https://github.com/DavidScobie/COMP0121/blob/coursework1/Coursework1/Q2/x_rotation.m

Question 2 part 3:

y_rotation.m

https://github.com/DavidScobie/COMP0121/blob/coursework1/Coursework1/Q2/y_rotation.m

Question 2 part 4:

Q2_part4.m:

https://github.com/DavidScobie/COMP0121/blob/coursework1/Coursework1/Q2/Q2_part4/Q2_part4.m

See also accompanying question 2 part 4 scripts at:

https://github.com/DavidScobie/COMP0121/tree/coursework1/Coursework1/Q2/Q2_part4

Question 3 files:

Q3_part1.m:

https://github.com/DavidScobie/COMP0121/blob/coursework1/Coursework1/Q3/Q3_part1.m

Q3_part2.m:

https://github.com/DavidScobie/COMP0121/blob/coursework1/Coursework1/Q3/Q3_part2.m

Q3_part3.m:

https://github.com/DavidScobie/COMP0121/blob/coursework1/Coursework1/Q3/Q3_part3.m

Q3_part4.m:

https://github.com/DavidScobie/COMP0121/blob/coursework1/Coursework1/Q3/Q3_part4.m

Q3_part5.m:

https://github.com/DavidScobie/COMP0121/blob/coursework1/Coursework1/Q3/Q3_part5.m

See also accompanying question 3 scripts at:

<https://github.com/DavidScobie/COMP0121/tree/coursework1/Coursework1/Q3>

Question 4 files:

Question 4 part 1 files:

Q4_lab_frame.m:

https://github.com/DavidScobie/COMP0121/blob/coursework1/Coursework1/Q4/Q4_lab_frame.m

Q4_rot_frame.m:

https://github.com/DavidScobie/COMP0121/blob/coursework1/Coursework1/Q4/Q4_rot_frame.m

Question 4 part 2 files:

Q4_part2.m:

https://github.com/DavidScobie/COMP0121/blob/coursework1/Coursework1/Q4/Q4_part2.m

See also accompanying question 4 scripts at:

<https://github.com/DavidScobie/COMP0121/tree/coursework1/Coursework1/Q4>

Question 5 files:

Question 5 part 1 files:

Q5_part_1.m:

https://github.com/DavidScobie/COMP0121/blob/coursework1/Coursework1/Q5/Q5_part1/Q5_part_1.m

See also accompanying question 5 part 1 scripts at:

https://github.com/DavidScobie/COMP0121/tree/coursework1/Coursework1/Q5/Q5_part1

Question 5 part 2 files:

Q5_part_2.m:

https://github.com/DavidScobie/COMP0121/blob/coursework1/Coursework1/Q5/Q5_part2/Q5_part_2.m

See also accompanying question 5 part 2 scripts at:

https://github.com/DavidScobie/COMP0121/tree/coursework1/Coursework1/Q5/Q5_part2

Question 5 part 4 files:

Q5_part_4.m:

https://github.com/DavidScobie/COMP0121/blob/coursework1/Coursework1/Q5/Q5_part4/Q5_part_4.m

See also accompanying question 5 part 4 scripts at:

https://github.com/DavidScobie/COMP0121/tree/coursework1/Coursework1/Q5/Q5_part4