

Analysis Methods in Atmospheric and Oceanic Science

AOSC 652

Class Projects
Week 15, Day 2

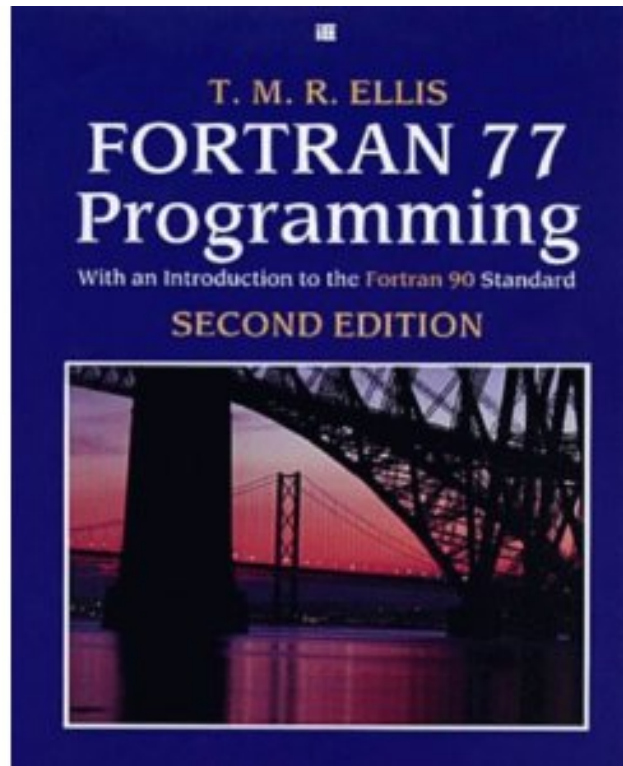
7 Dec 2016

AOSC 652: Analysis Methods in AOSC

Logistics

FORTRAN Book:

- Would like to start getting returns of Ellis book
- \$20 to be refunded upon return of book



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Student projects (update to slide first shown 10 Oct 2016):

- **20% of the final grade:** you will receive a numerical score for the project and final grade will be found via:

$$\text{Final Grade} = (0.1) \times (\text{Attendance} + \text{Participation}) + (0.7) \times (\text{Homework}) + (0.2) \times (\text{Final Project})$$

- 28, 30 Nov, 7 Dec (MWF) + 5, 7, 9 Dec (MWF)
set aside for “in class” work on your project
- **One student will present on Fri, 9 Dec**
- **Mon, 19 Dec, noon: *students present their project (10 minute talks)***
prepared using either Powerpoint, Open Office, etc
and converted to PDF prior to the start of class
- Each student must turn in a *brief* written description of the project as well as all *code* used to complete the project
- I am still available to discuss project, but please by appointment!

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Project presentations will be 19 Dec starting at noon:

- Each presentation maximum 10 minutes
- For a 10 minute presentation, best to focus on:
what you did & *what you learned*
rather than spending much time on
why you did what,
summary of state of knowledge on the subject matter,
etc
- Suggest 8 to 10 slides; any presentation w/ more than 10 slides
must be cleared with me prior to presentation
- We'll ask for questions after each presentation
- $\{14 \times (10 + 2 + 1)\} / 60 = \mathbf{3.03 \text{ hrs}}$ which is why we are limiting
presentations to 10 mins time

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Student project timeline:

19 Dec is two weeks from today

Suggest the following timeline:

- **Mon (Dec 5):** Preliminary results (i.e., some graphs) ready to show
- **Wed (Dec 7):** **Some visuals ESSENTIAL**
- **Fri (Dec 9):** Final chance to interact with Ross, Tim & Walt prior to AGU
- **Dec 9 to 18:** Ross, Tim, Walt: email Jeff: by appointment

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Course Evaluation

To complete:

<https://courseevalum.umd.edu/>

Description:

<https://www.irpa.umd.edu/Assessment/CourseEval/CourseEval.html>

Open until 13 December (11:59 pm)

- **Please complete**
- **Great if you take the time to evaluate all four instructors**

AM01 : 1 out of 1

0101 : 4 out of 14

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Student	Topic	Graphical Result ?
Chang, Chu-Chan	Observation operator, variational system	
Eure, Keenan	Palmer experiment, chaos theory	
Fedkin, Nikita	Sulfate & nitrate deposition trends	
Fricke, Patty	Effect of cyclogenesis on ozone	
Gohil, Kanisk	SLP & SST during ENSO	
Jeffrey, Dylan	Thermal Structure, freezing rain	
Kahn, Doug	Off-shore thunderstorm characterization	
McBride, Laura	Global snow cover, 2000 to 2016	
Malloy, Kelsey	Stratospheric Air Intrusions	
Ortiz, Alex	Renewable Energy	
Porter, Greg	500 mb blocking events for forecasting	
Sengupta, Agniv	Periodicity of AMO	
Treacy, Angie	Population model	
Varada, Sai	NO _x and VOC emissions	
Williams, Matt	Global warming hole, U.S.	