



Welcome to Big Data Analytics CSCI E-63

Jan 29 – May 2016
Helpful info

Diane Howard
29 January 2016



Big Data Analytics Site info

Big Data Analytics URL:

<https://canvas.harvard.edu/courses/8097>

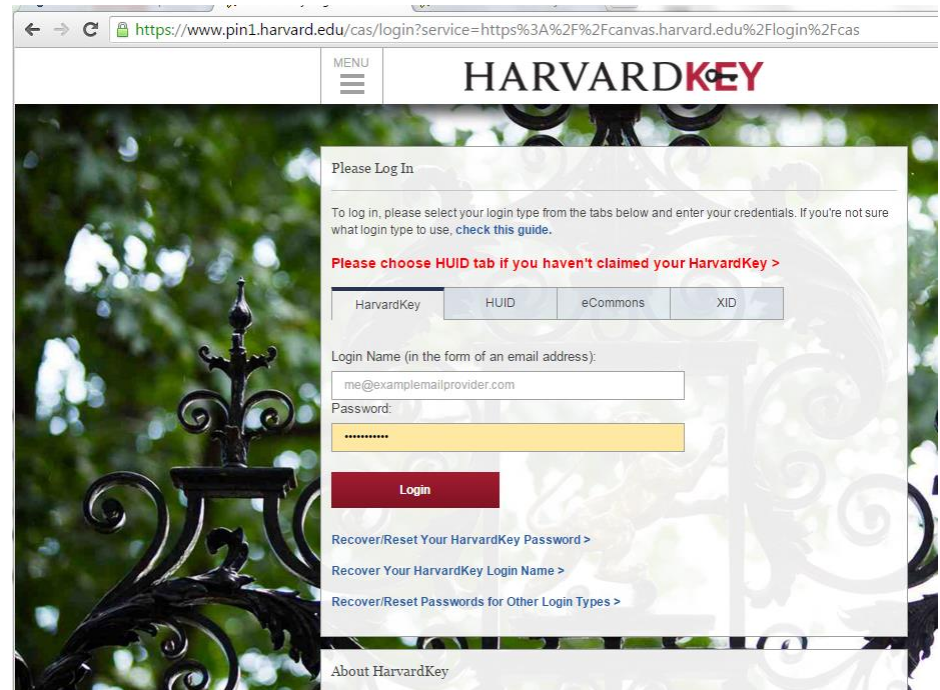
Note: You need to use your Harvard Key to login.

You should have received an email from Harvard with steps on how to obtain your key info.

Harvard Key link...

<http://reference.iam.harvard.edu/>

For further assistance, please contact the IT Service Desk at ithelp@harvard.edu or [617-495-7777](tel:617-495-7777).



Home page


URL: <https://canvas.harvard.edu/courses/8097/pages/home-page>

CSCI E-63 (24038)
2015-2016 Spring

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Big Data Analytics



WELCOME TO BIG DATA ANALYTICS

HARVARD EXTENSION SCHOOL

📁 Weekly Course Material

Week 1: R Programming 29 Jan 2016	Week 2: MapReduce Framework and Hadoop 5 Feb 2016	Week 3: TBD 12 Feb 2016	Week 4: TBD 19 Feb 2016
Week 5: TBD	Week 6: TBD	Week 7: TBD	Week 8: TBD

- After logging in, your screen may have one more page (like this – only temporary) or it will take you directly to the course (next slide)...

The screenshot shows the Harvard Canvas dashboard. At the top, there is a dark blue navigation bar with the Harvard University logo, a 'Courses' dropdown menu (highlighted with a red box), and links for 'Grades' and 'Calendar'. The user's name 'Diane Howard' and 'Inbox' are in the top right corner. Below the navigation bar, a welcome message states: 'Welcome to Canvas! Canvas is the new platform for course websites across Harvard. Find courses you're teaching or taking under Courses & Groups in the top navigation. If you don't see any courses listed, or for more information about how to get started with Canvas, follow the link for your school below:'. A red arrow points from the 'Courses' dropdown to a red box containing the text 'Select your course here'. Below the welcome message is a grid of Harvard schools, each with its crest and name: Division of Continuing Education, Harvard Divinity School, Faculty of Arts and Sciences, Harvard Kennedy School, Graduate School of Design, Harvard Law School, Graduate School of Education, Harvard T.H. Chan School of Public Health, Harvard Medical School, and Harvard Business School. At the bottom, there is a 'Recent Activity' section showing '1 Announcement' and '12 Assignment Notifications' for 'CSCI E-90 (14300)', each with a 'SHOW MORE' link.

HARVARD UNIVERSITY Courses Grades Calendar

Diane Howard Inbox

Welcome to Canvas!
Canvas is the new platform for course websites across Harvard. Find courses you're teaching or taking under Courses & Groups in the top navigation. If you don't see any courses listed, or for more information about how to get started with Canvas, follow the link for your school below:

Select your course here

Division of Continuing Education
Harvard Divinity School
Faculty of Arts and Sciences
Harvard Kennedy School
Graduate School of Design
Harvard Law School
Graduate School of Education
Harvard T.H. Chan School of Public Health
Harvard Medical School
Harvard Business School

Recent Activity

1 Announcement
CSCI E-90 (14300) SHOW MORE

12 Assignment Notifications
CSCI E-90 (14300) SHOW MORE

Navigating the home page

<https://canvas.harvard.edu/courses/8097/pages/home-page>

CSCI E-63 (24038) 2015-2016 Spring

Home Syllabus Discussions Assignments

Discussions for weekly assignments will be available starting Saturday, Jan 30th.

Welcome to Big Data Analytics

HARVARD EXTENSION SCHOOL

Upload your homeworks here.

Weekly Course Material

Weekly lecture, links to: Friday lecture & Saturday labs and homeworks are in the weekly folders.


Week 1:	Week 2:	Week 3:	Week 4:
R Programming 29 Jan 2016	MapReduce Framework and Hadoop 5 Feb 2016	TBD 12 Feb 2016	TBD 19 Feb 2016
Week 5:	Week 6:	Week 7:	Week 8:
TBD	TBD	TBD	TBD

Weekly folder



R Programming

Slides from Week 1

 Friday lectures will be posted here.

Video Links from Week 1

URL for Students' Blackboard participant link (Friday lecture and Saturday lab section):




[https://sas.illuminate.com/m.jnlp?
password=M.96C0C8589F202E845F204911B16F1A&sid=2007009](https://sas.illuminate.com/m.jnlp?password=M.96C0C8589F202E845F204911B16F1A&sid=2007009) 

Friday's lecture:

The recordings from the Friday lectures and Saturday labs will be posted here generally by Saturday afternoon.

Assignment 1

 Your assignments will be posted here.

Showcase Solutions

Selected student showcases will be posted here.

Where are homeworks located?

They are in each Weekly folder located on the home page.

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Weekly Course Material

NOTE: Your homeworks are **NOT** here. This folder is only used to submit your assignments.

Homeworks are located here.

Week 1:	Week 2:	Week 3:	Week 4:
R Programming 29 Jan 2016	MapReduce Framework and Hadoop 5 Feb 2016	TBD 12 Feb 2016	TBD 19 Feb 2016
Week 5:	Week 6:	Week 7:	Week 8:
TBD	TBD	TBD	TBD

Homeworks are due...

- One week after lecture always on following Friday, 11:59 PM (EST). For every day late after the due date up to 7 days you can still submit your homework. However, there is a 10 point deduction/day. (Grade=30). On Day 14, grade =0, no exceptions.
- Homeworks are assigned weekly. There will be 12 homeworks, possibly 13.
- There is also a final project. More later...
- There are no tests or quizzes.

Grades:

95% or higher cumulative grade on all assignments and the final project gives you an A as the final grade in the course, 90-94.9% gives you an A-, 85-89.9% a B+, 80-84.9% a B, etc.

Assignments are weighted by group:

Group	Weight
Homework	85%
Final Project	15%
Total	100%

Where do you put your homework?

You upload your homeworks to the Assignment weekly page.

- Please DO NOT ZIP homeworks! Use the word document provided by Professor and put all steps and screen shots in the file after each problem. Load the word document (or .pdf) into your assignment folder. For most homeworks we will ask for additional source code to be included e.g., .java, .C, .R.

The screenshot shows the Harvard University course page for CSCI E-63 (24038). The top navigation bar includes the Harvard University logo and links for Courses, Grades, and Calendar. The left sidebar lists course navigation options: Home, Syllabus, Discussions, Assignments (highlighted with a red box), Student Resources, and Library Reserves. The main content area displays the Assignment 1 submission page. A red box highlights the 'Submit Assignment' button. Below the button, the assignment details are shown: Due Feb 5 by 11:59pm, Points 100, Submitting a file upload, and File Types doc, pdf, and docx. The available period is Jan 22 at 12am - Feb 12 at 11:59pm (22 days). At the bottom, there is a text prompt: 'Upload your .doc or .pdf here. Do not include .zip files of your homework.'

HARVARD UNIVERSITY Courses ▾ Grades Calendar

CSCI E-63 (24038) 2015-2016 Spring

Home Syllabus Discussions **Assignments** Student Resources Library Reserves

🏠 > CSCI E-63 (24038) > Assignments > Assignment 1

Assignment 1

Submit Assignment

Due Feb 5 by 11:59pm **Points** 100 **Submitting** a file upload **File Types** doc, pdf, and docx


Available Jan 22 at 12am - Feb 12 at 11:59pm 22 days

Upload your .doc or .pdf here. Do not include .zip files of your homework.









Where are your grades posted?

- Grades will be posted 1 – 2 weeks after submission.

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[Home](#) > [CSCI E-63 \(24038\)](#) > **Grades** > [Test Student](#)
 [Print grades](#)

Grades For Test Student

Name	Due	Score	Out of
Assignment 1	Feb 5 by 11:59pm		100
Assignment 2	Feb 12 by 11:59pm		100
Assignment 3	Feb 19 by 11:59pm		100
Assignment 4	Feb 26 by 11:59pm		100
Assignment 5	Mar 4 by 11:59pm		100
Assignment 6	Mar 11 by 11:59pm		100
Assignment 7	Mar 18 by 11:59pm		100
Assignment 8	Mar 25 by 11:59pm		100

Total: 0%

[Show All Details](#)

Assignments are weighted by group:

Group	Weight
Homework	85%
Final Project	15%
Total	100%

☒ Calculate based only on graded assignments

Click any score and enter a new value to see how the change will affect your total.

How do we watch Friday lectures remotely?

- Go to the Virtual Classroom approx. 5:30 PM (EST) every Friday (see next slide) **OR** use the Blackboard link. This is the blackboard link:
<https://sas.illuminate.com/m.jnlp?password=M.96C0C8589F202E845F204911B16F1A&sid=2007009>
- The Blackboard link is the same URL that you use for every Friday's lecture and Saturday lab sections.
- It is not mandatory to attend in person. But if you do the course is located at: 1 Story Street, Room: 306 Cambridge, MA.

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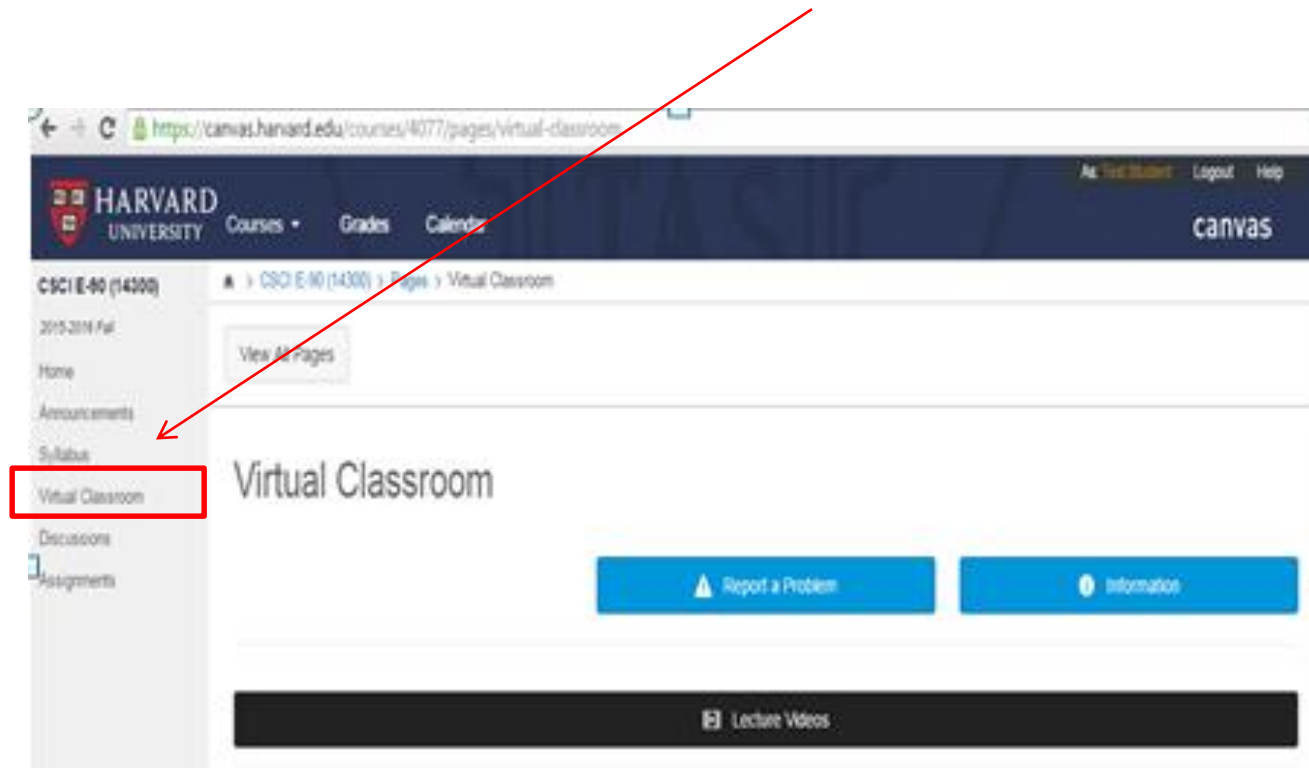
HARVARD EXTENSION SCHOOL

Note: this link won't appear till later in the week .

Weekly Course Material

Virtual Classroom

A Live session will show up automatically in this area. After the lecture has ended, a link will be available for viewing. The Virtual Classroom link will appear later in the first week on your home page and will look similar to the following below.




Where are Friday Lectures?

- Located in each Weekly folder (e.g., Week 1) in area called: Slides from Week 1, etc.
- They are posted Fridays an hour or so before class.



R Programming

 Slides from Week 1

Video Links from Week 1

 Slides will be posted here.

URL for Students' Blackboard participant link (Friday lecture and Saturday lab section):



<https://sas.illuminate.com/m.jnlp?password=M.96C0C8589F202E845F204911B16F1A&sid=2007009> 

Friday's lecture:

 Assignment 1

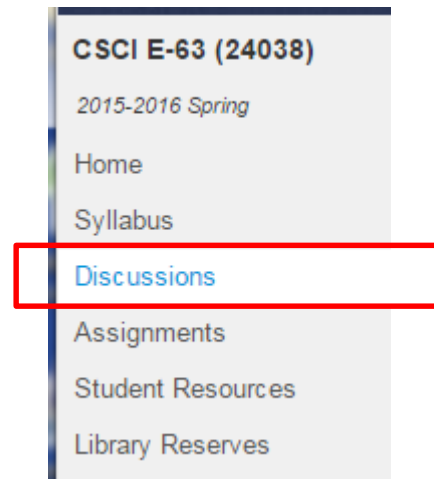
 Showcase Solutions

Discussion Posts

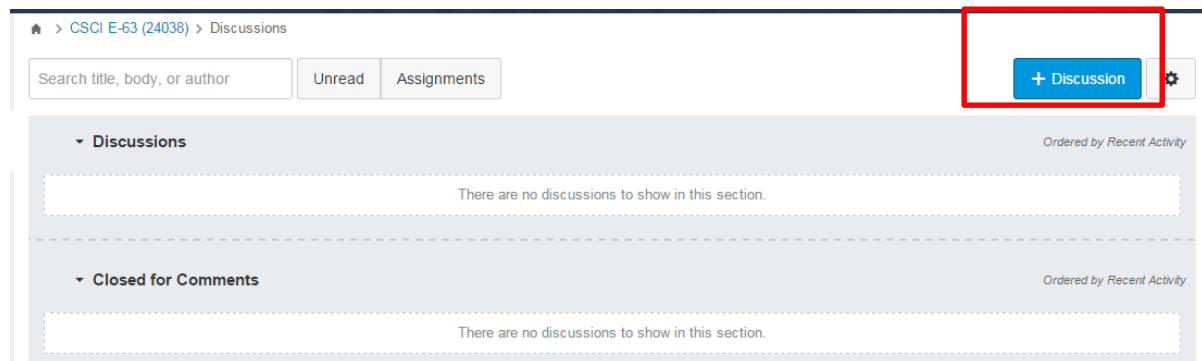
- Used to post issues with homework.
- Students primarily should participate in helping others with homework issues (configuration, error messages). TAs will provide some assistance.
- Do **NOT** post all your code – only post a few lines and your error message. We will remove your post with your source code and may penalize you.
- Do not post offensive complaints or ask others how to solve the homework. These posts will be removed immediately.
- Do not send us your source code to the faculty/TAs. We do not provide personal reviews/advice nor pre-grading.

Steps: How to create a Discussion post for a homework issue

1. Select Discussion on left hand panel



2. Create a Discussion post



Steps: How to create a Discussion post for a homework issue – continued.

3. Enter the homework # and a subject in the box.

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Discussions

Assignments

🏠 > CSCI E-63 (24038) > Discussions > Create new

☁ Not Published

Homework 1: Namenode problem with Hadoop

B I U A ▾ A ▾ I_x [List Icons] x² x₂ [List Icons]

[Grid Icon] [Link Icon] [Sun Icon] [Image Icon] [Pi Icon] [Info Icon] [V Icon] [YouTube Icon] [Film Icon] [Align Left Icon] [Align Right Icon] Font Sizes Paragraph ▾

Explain your problem. Show the error message. Show the line that is flagged by the error message. Do NOT include all your source code.

Canvas links:

WHAT ARE DISCUSSIONS FOR STUDENTS?

HOW DO I EMBED AN IMAGE IN A DISCUSSION REPLY AS A STUDENT?

HOW DO I VIEW DISCUSSIONS AS A STUDENT?

HOW DO I ATTACH A FILE TO A DISCUSSION REPLY AS A STUDENT?

References

- There will be weekly lectures only.
- No required reference books.
- We may recommend a few references though.

Who is your Teaching Staff?

- Go to home page and scroll to bottom and select Teaching Staff

Professor: Zoran Djordjevic

Olena Bolila, Teaching Assistant

Blagoje Djordjevic, Teaching Assistant

Diane Howard, Teaching Assistant

Rahul Joglekar, Teaching Assistant

Marina Popova, Teaching Assistant

 Information and Syllabus

 Teaching Staff

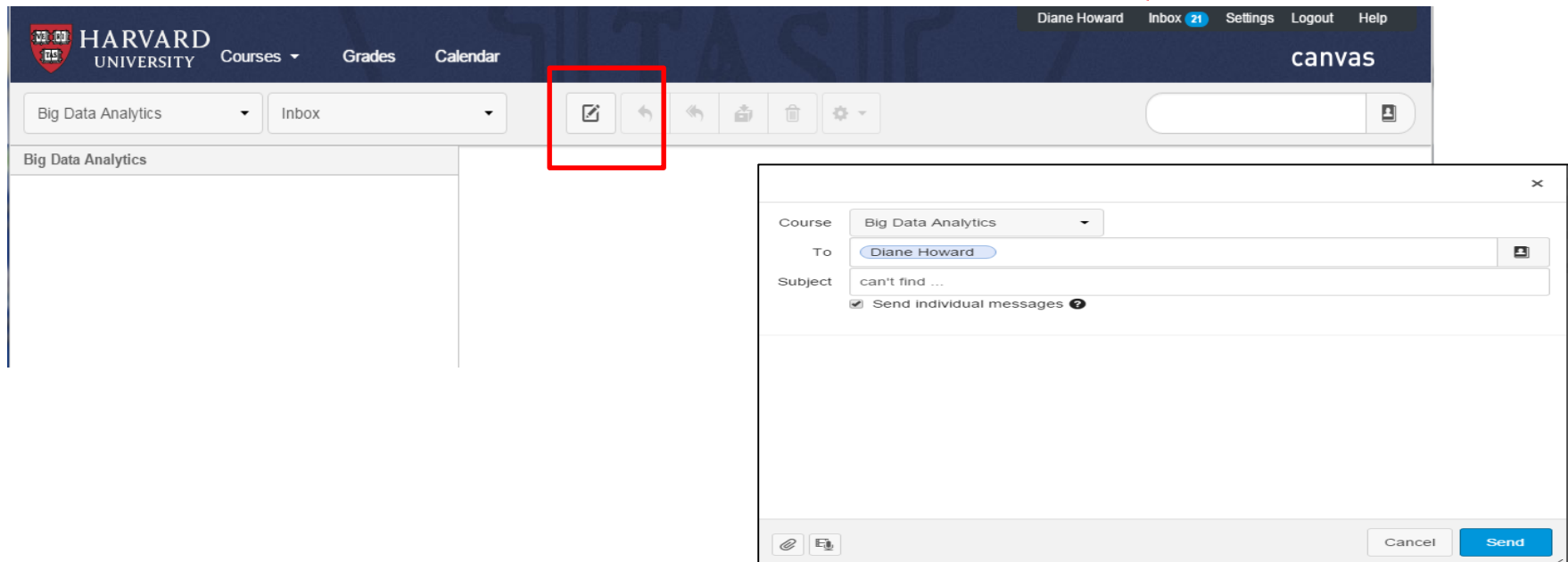
 Additional Resources

How to contact us

1. Send messages via the Message box in Canvas.

Note: We do not give out our email addresses. Please do not contact us by email.

2. If you come across an issue with our Canvas course site, please contact Diane Howard (do not contact Canvas).



Canvas documentation for students

- <https://guides.instructure.com/m/8470>

Enjoy the course!

- This is a very hands-on course and involves programming. We primarily use Amazon web services.
- Topics change weekly; some topics may extend to two weeks.
- You will use Linux & Windows commands too for configuration of scripts, etc.
- Types of programming (e.g., Java, C, C##, R, scripts: Hive, Pig, SQL).

Have Fun!