



Training course outline

ITU and National Information Society Agency (NIA)

Title	Data-Based Government Innovation
Modality	Instructor-led online learning
Dates	1-28 August 2022
Duration	4 weeks
Registration deadline	31 July 2022
Training fees	Free
Description	With the advent of the data era such as big data and AI, it has become imperative for government to make rational and scientific policy decisions based on data analysis. Therefore, countries around the world are making their efforts to establish data-based government to increase the effectiveness of policies and improve the quality of administrative services. In this context, this course covers understanding of data-based administration, cases of data-bases policies in major countries and major issues of data-based government. This course also covers data analysis techniques.
Code	22O127823ASP-E

1. LEARNING OBJECTIVES

This course aims to understand what the data-based government is and analyze related policies of major countries, and help participants draw a future strategy of data-based government for the country where participant belongs to.

2. LEARNING OUTCOMES

Upon completion of this course, participants will be able to

- Understand the concept and needs of data-based government
- Understand the cases of data-based administration in major countries
- Strengthen policymaking capacity by understanding the impact of data on public administration
- Build change management skills by understanding the issues related to the data-based government such as interoperability, quality management, and capacity development of organization for data-based administration.



3. TARGET POPULATION

The target audience for this course would be government officials and experts in the public administration, digital government, and ICT fields.

4. ENTRY REQUIREMENTS

No prior knowledge or qualification is required for this course.

5. TUTORS/INSTRUCTORS

Name of tutor(s)/instructor(s)	Contact details
Jinwook KIM	coe_nia@nia.or.k

6. TRAINING COURSE CONTENTS

The topics covered in this course are

Module		Contents
1	Understanding of data-based government	1-1. Data Revolution and the Changing Roles of Government
		1-2. Concept and Expectations of data-based government
		1-3. Preconditions of data-based government
2	Data-based Policy Making	2-1. Introduction to Policy Informatics
		2-2. Administrative Innovation in the Public Sector Through Artificial Intelligence
3	Cases of data-based administration of major countries	3-1. Data-based government: Korean applications
		3-2. Data-based government: Global applications
4	Key issues in data-based government	4-1. Constructing Data Governance
		4-2. Reinforcing data workforce and capabilities
		4-3. Data Quality Management
		4-4. Privacy Issues in the data-based government
		4-5. Ethics in the data-based government



7. TRAINING COURSE SCHEDULE

Week / Session	Topic	Exercises and interactions
Week 1	Topic 1 Understanding of data-based government	<p>This week, each participant has to</p> <ul style="list-style-type: none"> • (Lecture) Study a prerecorded lecture video in the course page • (Course materials) Read the PPT slides uploaded on the course page for week 1 • (Discussion forum) Post his/her opinions on the discussion forum topic and respond to opinions suggested by other participants in the discussion • (Quiz) Complete a quiz for topic 1 <p>Week 1 Forum Topic: TBD</p>
Week 2	Topic 2 Data-based Policy Making Topic 3 Cases of data-based administration of major countries/	<p>This week, each participant has to</p> <ul style="list-style-type: none"> • (Lecture) Study a prerecorded lecture video in the course page • (Course materials) Read the PPT slides uploaded on the course page for week 2 • (Discussion forum) Post his/her opinions on the discussion forum topic and respond to opinions suggested by other participants in the discussion • (Quiz) Complete a quiz for topic 2/3 <p>Week 2 Forum Topic: TBD</p>
Week 3	Topic 4 Key issues of data-based government	<p>This week, each participant has to</p> <ul style="list-style-type: none"> • (Lecture) Study a prerecorded lecture video in the course page • (Course materials) Read the PPT slides uploaded on the course page for week 3 • (Discussion forum) Post his/her opinions on the discussion forum topic and respond to opinions suggested by other participants in the discussion



		<ul style="list-style-type: none"> (Quiz) Complete a quiz for topic 4
		Week 3 Forum Topic: TBD
Week 4	Individual Assignment	<p>This week, each participant has to:</p> <ul style="list-style-type: none"> Prepare a short essay about key issues and strategies of data-based administration in his/her country

8. METHODOLOGY (Didactic approach)

This course will be delivered using instructor-led online learning. The course is delivered using power-point slides posted on the course page and selected reference materials that the participants have to study each week, participate in scheduled activities and undertake self-assessments. Students will reinforce their understanding of the topics studied by drawing on their specific environments and are encouraged to consult with experienced colleagues who are working on a relevant topic. The following methods will be used for this course.

- Self-study of PPTs and reference materials
- Instructor led presentations made through YouTube
- Interactive forum discussions
- Quizzes
- Individual assignment
- Live Q&A Session

9. EVALUATION AND GRADING

Students performance in this course will be determined using a combination of grades for the participation in discussion forums, self-assessment quizzes, and the personal assignment. The evaluation details and criteria for certificates is as follows. Quiz #1	20%
Quiz #2	20%
Quiz #3	20%
Individual Assignment	20%
Discussion Forums	20%
Total Evaluation:	100%

Total Evaluation: 100%

IMPORTANT: A PASSING MARK OF 60% IS REQUIRED FOR OBTAINING A COMPLETION CERTIFICATE.



10. TRAINING COURSE COORDINATION

Course coordinator: Name: Jinwook KIM Email address: coe_nia@nia.or.kr	ITU coordinator: Name: Sean Doral Email address: sean.doral@itu.int
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