HACETTEPE UNIVERSITY INSTITUTE OF POPULATION STUDIES (HUIPS)

DEM 601 Introduction to Demographic Analysis

Lecture 1 handout

TOPIC
Introduction to the Course and Basic Demographic Concepts

SESSION
24 September 2026

NAME

> **The shape of the lecture, not a substitute for it.** Every heading is a slide, in the order it is shown, with the formulas it carries and the terms it defines.

Opening

THE TERM AHEAD **Where we are going**

READING **Course texts**

REQUIREMENTS **How the course is assessed**

Basic Concepts

SCOPE **What is demography?**

SCOPE **John Graunt, the first data detective**

SCOPE **Two branches, and which one this is**

Technical demography also called formal demography, or demographic analysis

Population studies also called social demography

DEFINITION **What is a population?**

COMPONENTS **What makes a population change**

$$P_{n+k} = P_n + \underbrace{\underbrace{{}_kB_n - {}_kD_n}_{\text{natural increase}} + \underbrace{{}_kI_n - {}_kE_n}_{\text{net migration}}}_{\text{population change}}$$

Sketch the shape, and label the axes

YOUR TURN **Split the change**

SCOPE **What does demography study?**

WHY IT MATTERS **What the measurement is for**

Sources of Demographic Data

CENSUS **What a census is**

CENSUS **Where do you count someone?**

de facto counted where found

de jure counted where resident

YOUR TURN **Where would you be counted?**

CENSUS **What a census asks**

CENSUS What it buys, and what it costs

CENSUS What a census misses

Undercoverage people the count never reached

Overcoverage people counted twice, or not there

The check a second, independent count

CENSUS Who counts as resident?

CENSUS Censuses in Türkiye

Sketch the shape, and label the axes

REGISTRATION Civil registration and vital statistics

Civil registration a legal act, performed for the individual

Vital statistics what we get out of it

A birth happens A vital event, in a family

It is registered A legal record, with a date and a place

Records are compiled Counted, checked, published as statistics

We compute a rate Crude birth rate, and everything after it

REGISTRATION Continuous, not periodic

REGISTRATION Where registration fails

REGISTRATION CRVS in Türkiye

SURVEYS Asking more of fewer

Quantitative numbers and measurement

Qualitative experience, meaning, reasons

SURVEYS The programmes you will meet

SURVEYS Two kinds of error

BIG DATA Data nobody collected for us

ETHICS The people behind the records

SOURCES Four sources, one table

SOURCES Where to get the data

YOUR TURN Does your population have data?

CLOSING What you can do now