

SOCIAL PROBLEMS SOCI 201 SPRING 2016

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Social Problems: Spring 2016

What is a social problem?

A social problem is a condition or behavior that a significant portion of a society views as undesirable and in need of change. Social problems are often complex and interconnected, and can have a significant impact on individuals, communities, and society as a whole.

What are some examples of social problems?

Some examples of social problems include poverty, crime, homelessness, unemployment, and inequality. These problems can affect people of all ages, races, and socioeconomic backgrounds.

What are the causes of social problems?

The causes of social problems are often complex and multi-faceted. Some of the most common causes include economic inequality, social injustice, and lack of opportunity.

What can be done to address social problems?

There are many different ways to address social problems. Some of the most common solutions include social programs, public policy, and community action.

What is the role of the individual in addressing social problems?

Individuals can play a vital role in addressing social problems. By being informed about the issues, volunteering their time, and advocating for change, individuals can make a difference in their communities and the world.

The Assignment Problem: An Example

What is the assignment problem?

The assignment problem is a mathematical optimization problem that involves assigning agents to tasks while minimizing the total cost or time. It is a classic combinatorial optimization problem that finds applications in various fields, such as scheduling, resource allocation, and transportation.

How do we solve the assignment problem?

The assignment problem can be solved using a variety of methods, including linear programming, the Hungarian method, and network flow algorithms. The Hungarian method is a widely used algorithm due to its simplicity and efficiency. It iteratively finds the optimal assignment by identifying and removing infeasible assignments and adjusting the costs for the remaining assignments.

Can you provide an example of the assignment problem?

Consider a company with four employees (A, B, C, and D) and four tasks (1, 2, 3, and 4). The cost of assigning each employee to each task is given in the following table:

Employee	Task 1	Task 2	Task 3	Task 4
A	15	10	20	13
B	12	13	11	14
C	14	15	12	15
D	13	14	13	16

How would we solve this assignment problem using the Hungarian method?

- **Step 1:** Subtract the smallest element in each row from all elements in that row.
- **Step 2:** Subtract the smallest element in each column from all elements in that column.
- **Step 3:** Cover all rows and columns with zero elements with the minimum number of lines.
- **Step 4:** Assign zeros that are uncovered by horizontal and vertical lines.
- **Step 5:** Find the minimum uncovered element and subtract it from all uncovered elements and add it to all elements at the intersection of the two lines covering the zero.
- **Step 6:** Repeat steps 3-5 until an assignment is found.

Using this method, we find the following optimal assignment:

Employee Task

A	Task 2
B	Task 3
C	Task 1
D	Task 4

This assignment has a total cost of 50.

What are the M-step grades in Michigan? Each spring, students in grades 3 through 7 take the M-STEP in English language arts and math. Students in fifth grade also take the M-STEP in science and social studies. The PSAT is given to eighth graders in English language arts and math and the SAT is given to 11th graders in the same subjects.

Do 7th graders take Mstep? First introduced in 2014 by the Michigan Department of Education (MDE), the Michigan Student Test of Educational Progress (M-STEP, or MSTEP) is an annual assessment of students in grades 3–8 and 11. It aims to measure students' achievements of state learning standards and readiness for college.

How to prepare for the M-step?

What do m-step scores mean? For M-STEP tests and PSAT 8/9, the performance levels are: Advanced, Proficient, Partially Proficient, Not Proficient. Students who score Advanced or Proficient are proficient, while those who score Partially Proficient or Not Proficient are not proficient.

Why is m-step important? State assessments like M-STEP and MME are “summative,” meaning they measure what students have learned during the year in relation to Michigan's career and college- ready learning standards. They are required under both state and federal law, to ensure all children are learning and receiving a high-quality education.

What does the M mean in grades? M = meets standard. W = working toward standard. N = not meeting grade-level standard.

Can I opt my child out of Mstep? While we support parents in making choices for their children, there is no allowable way in state or federal law to 'opt out' of assessment. Students who are not assessed will count against their schools' participation rate, leaving schools open to penalties.”

Do parents get Mstep results? The M-STEP Parent Report provides an overview of your student's achievement on each M-STEP assessment he or she took in grades 3-7. Your student can also view their own M-STEP score results through MiLearn.

Is the M-step multiple choice? The ELA and Math M-STEP assessments, given in grades 3-8, is a Computer Adaptive Test. A Computer Adaptive Test includes multiple choice, technology enhanced, and short-constructed response test items. The Science and Social Studies M-STEP assessments include traditional multiple choice questions similar to the MEAP.

What happens if you fail the M-step? New law requires third graders who don't pass M-STEP English will be held back. The 2019-2020 school year is the start of a new law on the books in Michigan mandating schools hold third graders back who do not pass standardized testing.

How long does MSTEP take? What is the duration of the M-STEP test? For the ELA tests, Grades 3 through 7 ELA – 120 minutes. Grade 8 (PSAT) ELA – 155 minutes.

How do I find my M-step scores? Send an email to the School Coordinator including the request form or email template. Once you have your student's MI-Access Coordinator email address, please request your M-STEP test scores via email.

What grade does Mstep start? M-STEP has fewer multiple choice questions than the previous MEAP assessment and more questions that require problem solving and critical thinking skills. M-STEP is aligned to Michigan's challenging learning standards and is administered each spring to students in grades 3-8.

What is the difference between the PSAT and the Mstep? Grade 8 students take the PSAT for grades 8/9 for math and ELA, while students in grades 3, 4, 5, 6, and 7 take the M-STEP. Grade 11 students take the SAT for math and ELA.

How long does it take to get m-step score back? Preliminary Student Roster Reports are available within 48 hours of test submission for students taking the M-STEP and MI-Access assessments online.

What is the m-step grading scale? For M-STEP tests, the performance levels are: Advanced, Proficient, Partially Proficient, Not Proficient. Students who score Advanced or Proficient are considered to be proficient, while those who score Partially Proficient or Not Proficient are not proficient.

How many questions are on the 7th grade math mstep? There are 32 questions.

Who made M-Step? M-STEP includes content developed by the State of Michigan, as well as by the Smarter Balanced Assessment Consortium.

What does M mean in exam results? Distinction (D) Merit (M) Pass (P) Near Pass (N) Unclassified (U)

What does M stand for in results? Merit (M) Level 2 Pass (P)

Is a grade of M good? As they learn, students are graded on specific skill-sets — called benchmarks — that make up each 10-week subject. “M” means the student has mastered the benchmark skill (usually demonstrated by a score of 90-plus on a project or test).

What is the standard based grading M? In a standards-based grading system, only the standard or competency is being measured. Grading practices and policies are transparent for students and families, and learners are able to understand what they've learned and what they're learning next.

What is the grading scale in Michigan? Michigan's School Index System provides an overall score on a scale of 0 to 100 with each school based on student growth, proficiency, graduation rates, English learner progress, attendance rates, advanced coursework completion, postsecondary enrollment, and staffing ratios.

How are step exams graded? The USMLE consists of three separate exams: Step 1, Step 2 CK (Clinical Knowledge), and Step 3. USMLE results are reported on a three-digit scale from 1 to 300 with the exception of Step 1, which is pass/fail. Passing the three-Step USMLE is a requirement to earn medical licensure in the United States.

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Technical Competency Framework for Information Management (IM)

Q: What is a Technical Competency Framework for Information Management (IM)?

A: A Technical Competency Framework for IM is a structured set of knowledge, skills, and abilities that are essential for individuals working in the field of information management. It provides a comprehensive framework to assess and develop the technical capabilities of IM professionals.

Q: Why is a Technical Competency Framework important for IM?

A: In today's data-driven environment, IM professionals are expected to possess a wide range of technical skills to effectively manage and leverage information. A Technical Competency Framework ensures that professionals have the necessary knowledge and abilities to meet the demands of the field.

Q: What are the key components of a Technical Competency Framework for IM?

A: Common components include:

- Data Management: Data modeling, data warehousing, data quality management
- Information Governance: Data privacy, data protection, data retention
- Business Intelligence: Analytics, reporting, visualization
- Information Security: Network security, cloud security, data encryption
- Information Technology (IT): Cloud computing, databases, operating systems

Q: How can individuals use a Technical Competency Framework?

A: Individuals can use a Technical Competency Framework to:

- Assess their current skills and identify areas for development
- Create a personalized learning plan to acquire the necessary knowledge and abilities
- Communicate their technical capabilities to potential employers or clients

Q: What are the benefits of using a Technical Competency Framework for IM?

A: Benefits include:

- Improved job performance and productivity
- Enhanced career opportunities
- Increased organizational efficiency and effectiveness
- Compliance with industry regulations and standards

[the assignment problem an example, m step science grade 7 state of michigan, technical competency framework for information management im](#)

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