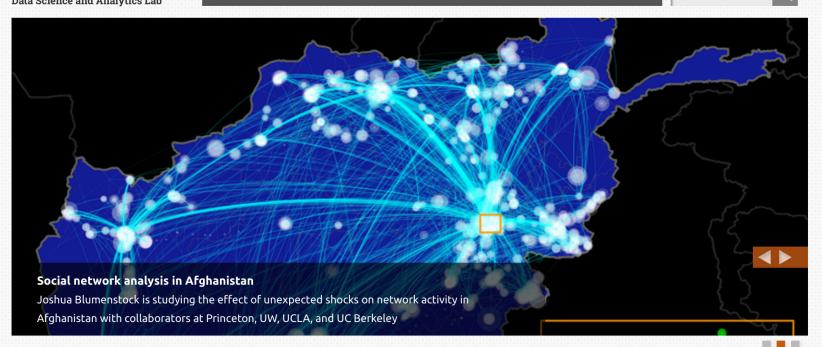




University of Washington Information School

Projects Publications People About

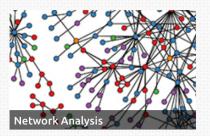


Research Focus Areas









Search

News and Updates

Blumenstock at Population Association of America

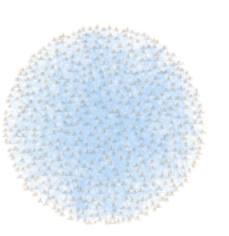
What we do

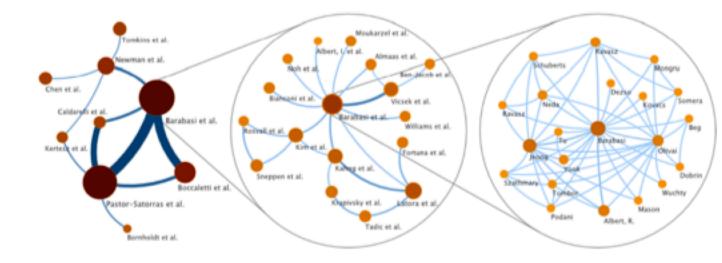
The DataLab is the nexus for research on Data Science and Analytics at the UW iSchool. We study large-scale, heterogeneous human data in an

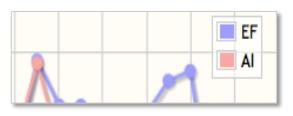
Jevin West

Assistant Professor | iSchool









Ranking



Mapping

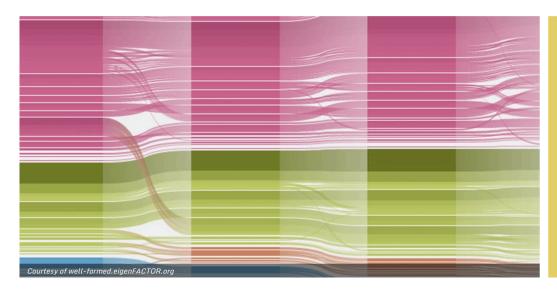


Navigating









DATA-DRIVEN DISCOVERY

Data Science Environments

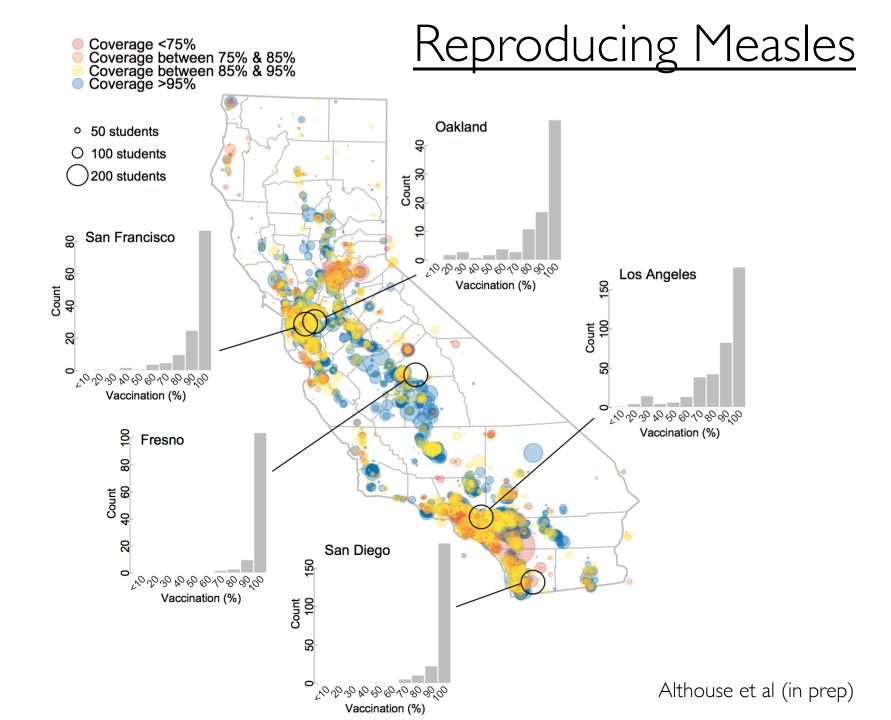


ALFRED P. SLOAN FOUNDATION

Losing Sleep



Reproducibility





Tenure



DOI:10.1145/2753507

Moshe Y. Vardi

Incentivizing Quality and Impact in Computing Research

Over the past few years, the computing-research community has been conducting a public conversation on its publication culture. Much of that conversation has taken place

in the pages of *Communications*. (See http://cra.org/scholarlypub/.) The underlying issue is that while computing research has been widely successful in developing fundamental results and insights, having a deep impact on life and society, and influencing almost all scholarly fields, its publication culture has developed certain anomalies that are not conducive to the future success of the field. A major anomaly is the reliance of the fields on conferences as the chief vehicle for scholarly publications.

While the discussion of the computing-research publication culture has led

be a game changer. By advising research organizations to focus on quality and impact, the memo aims at changing the incentive system and, consequently, at changing behavior.

The key observation underlying the memo is that we have slid down the slippery path of using quantity as a proxy for quality. When I completed my doctorate (a long time ago) I was able to list four publications on my CV. Today, it is not uncommon to see fresh Ph.D.'s with 20 and even 30 publications. In the 1980s, serving on a single program committee

careful scholarship. Indeed, academic folklore has invented the term LPU, for "least publishable unit," suggesting that optimizing one's bibliography for quantity rather than for quality has become common practice.

To cut the Gordian knot of mutually reinforcing norms and expectations, the memo advises hiring units to focus on quality and impact and pay little attention to numbers. For junior researchers, hiring decisions should be based not on their number of publications, but on the quality of their top one or two publications. For tenure candidates, decisions should be based on the quality and impact of their top three-to-five publications.

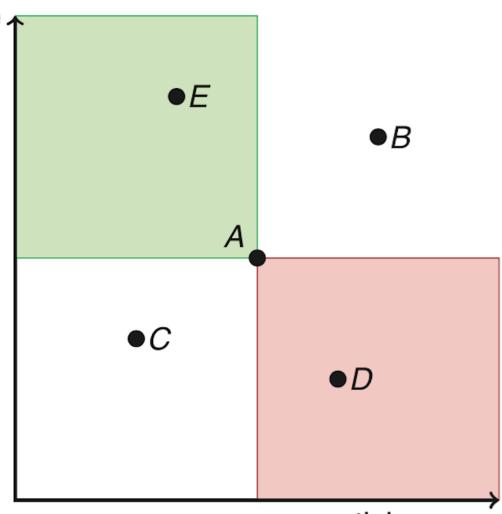
Focusing on quality rather than quantity should apply to other areas as well. We should not be impressed by large research grants, but ask what the actual



Open Access

Cost Effectiveness





article processing charges

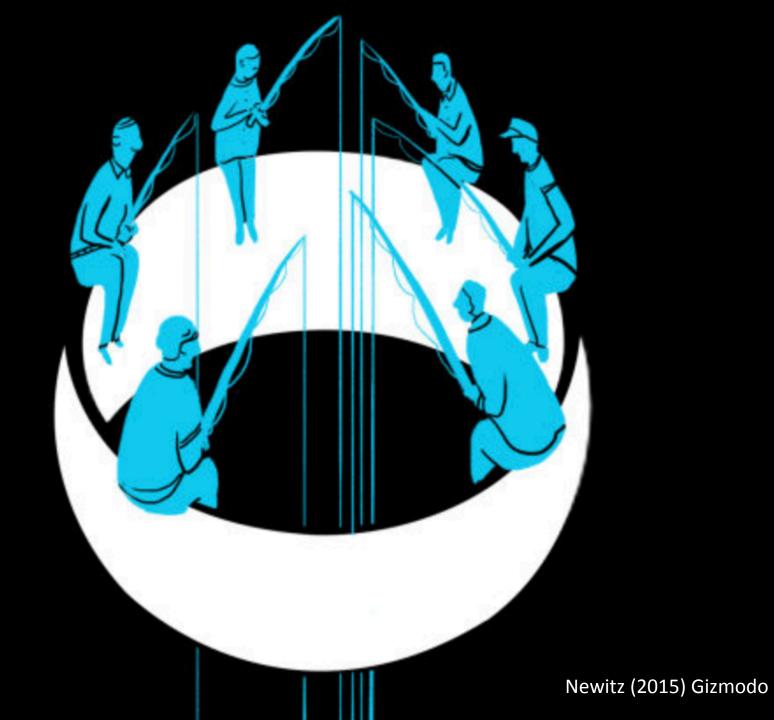


Data Scientists





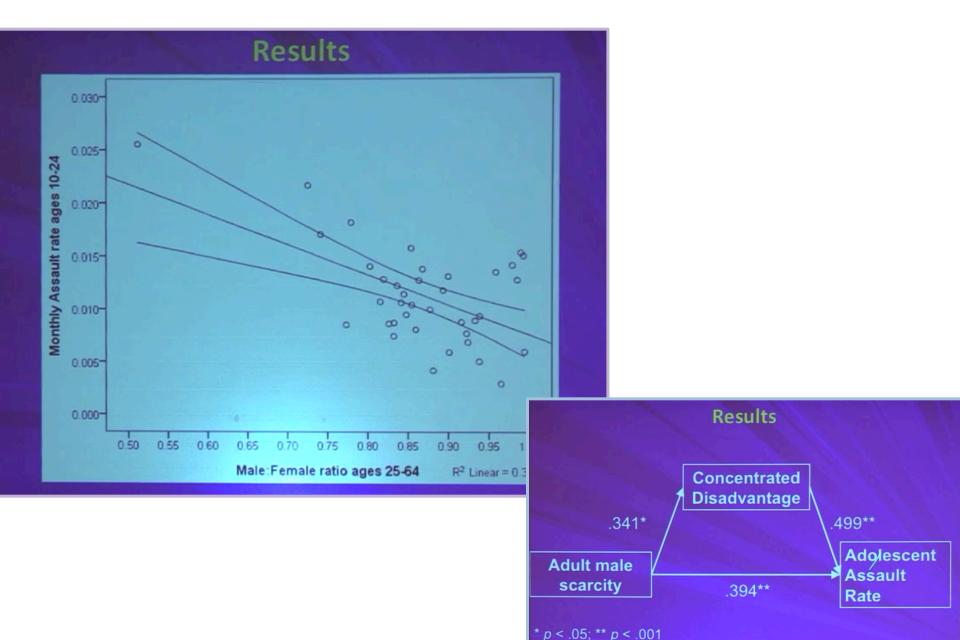
Data Ethics





Calling Bullshit

Sex Ratios and Crime

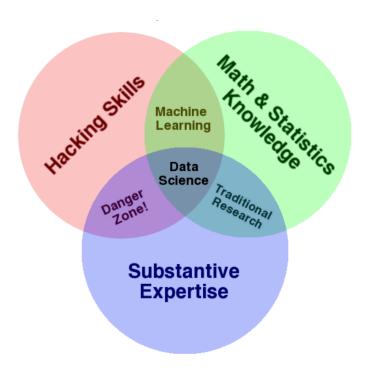


Bloome's Taxonomy of Calling Bullshit explicitly refuting the central point refutes the central point finds the mistake and explains why it's refutation mistaken using quotes contradicts and then counterargument backs it up with reasoning and/or supporting evidence states the opposing case contradiction with little or no supporting evidence criticizes the tone of the writing without responding to tone addressing the substance of the argument attacks the characteristics or authority of the writer ad hominem without addressing the substance of the argument name-calling sounds something like, "You are an ass hat."

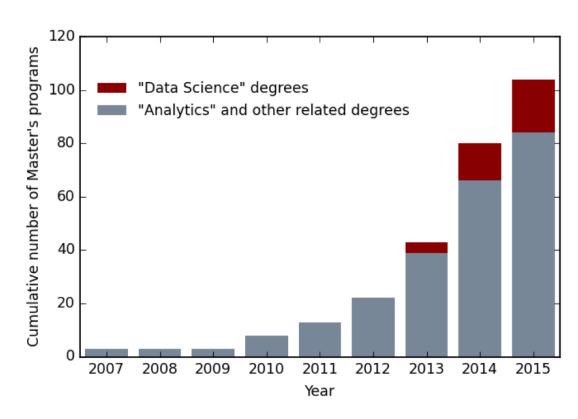


Education

Transcriptable Option in Data Science



Drew Conway, 2009





Full Stack

- Unknown algorithm
- Unknown corpuse
- Non-customizable ucks
- Non-extensible

- Q
- Articles (include patents) Case law
 No community development

My updates: recommended based on My Citations Learn more

Faster unfolding of communities: speeding up the Louvain algorithm

When you know what you are looking for, Networks of Communities and Communities of Networks in Online Scholar can usually find it. When you don't, Scholar is useless. We need tools for navigation.

babel.eigenfactor.org

Recommendations

Results for:



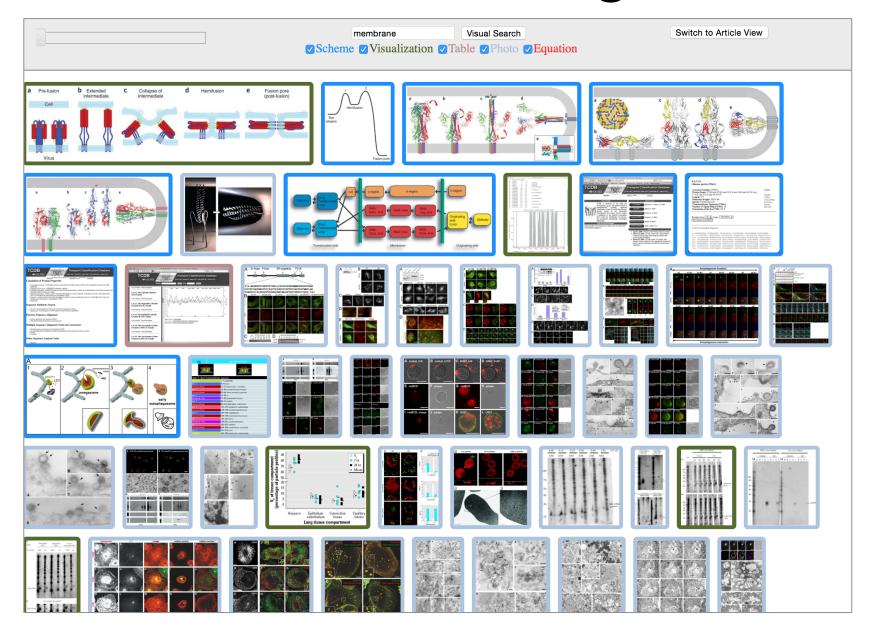
Expert

- The Relationship Between The Volume Of Antimicrobial Consumption In Human Communities And The Frequency Of Re
- C | Evaluating Treatment Protocols To Prevent Antibiotic Resistance 1996
- The Epidemiology Of Antibiotic Resistance In Hospitals: Paradoxes And Prescriptions 1999
- 🛐 C 🖺 The Transmission Dynamics Of Antibiotic-Resistant Bacteria: The Relationship Between Resistance In Commensal Orga
- Persistent Colonization And The Spread Of Antibiotic Resistance In Nosocomial Pathogens: Resistance Is A Regional Po

Classic

- The Crisis In Antibiotic Resistance 1991
- Epidemiology Of Drug Resistance: Implications For A Post-Antimicrobial Era 1991
- Drug-Resistant Salmonella In The United States: An Epidemiologic Perspective 1985
- 🛐 C 🖺 The Relationship Between The Volume Of Antimicrobial Consumption In Human Communities And The Frequency Of Re
- C | Evaluating Treatment Protocols To Prevent Antibiotic Resistance 1996

Viziometrics.org



Eigenfactor Recommends Architecture update.eigenfactor.org 10 11 reccomender.eigenfactor.org 6 **PLOS** Front End Recommendation Generator

Recommendation Request

- 1. Request for recommendation for paper
- 2. Front-end looks up DOI on a DynamoDB
- Front-end logs recommendations
- Front-end returns recommendations

Feedback

Analytics

- 1. PLOS sends feedback to the front end
- 3. The front end logs the feedback in SQS

10. PLC

TBD

Recommendation Generation

- 5. Cron job starts recommender
- 6. Application reads citation network from DB
- Application writes recommendations to CSV
- 8. CSV file is backed up to S3 for offline analysis
- Transformer takes CSV file and pushes to DynamoDB

Citation DB Updates

- PLOS calls a private API, providing new DOIs and citations in those documents
- Application pushes changes to SQL DB



Full Stack Software Engineer

Database

Services & Servers



PostgreSQL

My5QL

ORACLE'

DATABASE











NGINX

Backend









handlebars









Frontend







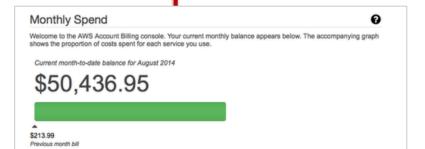






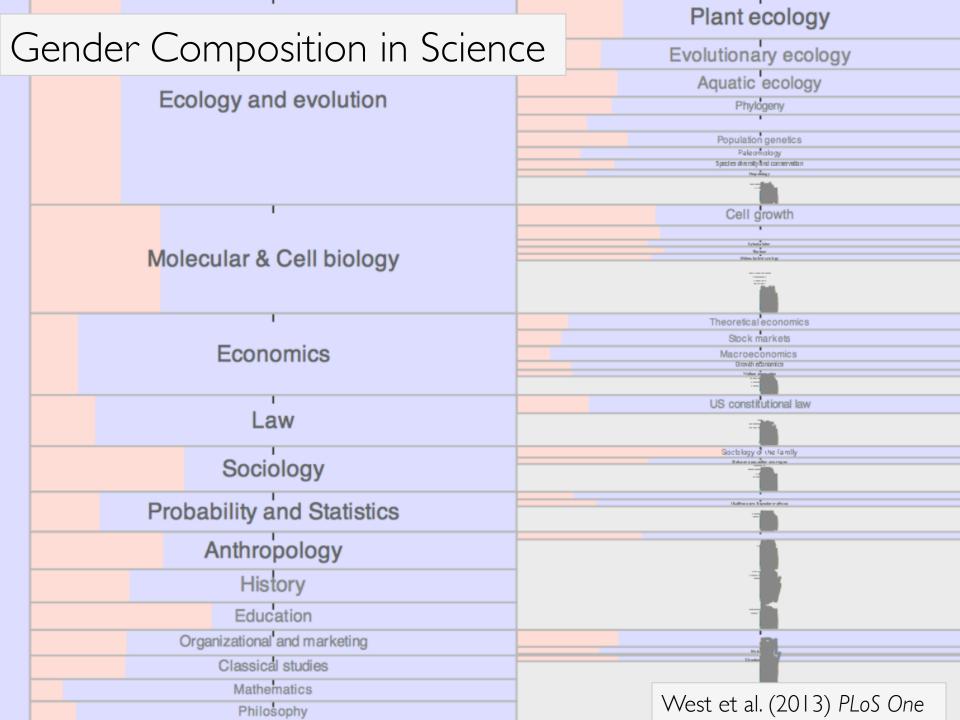






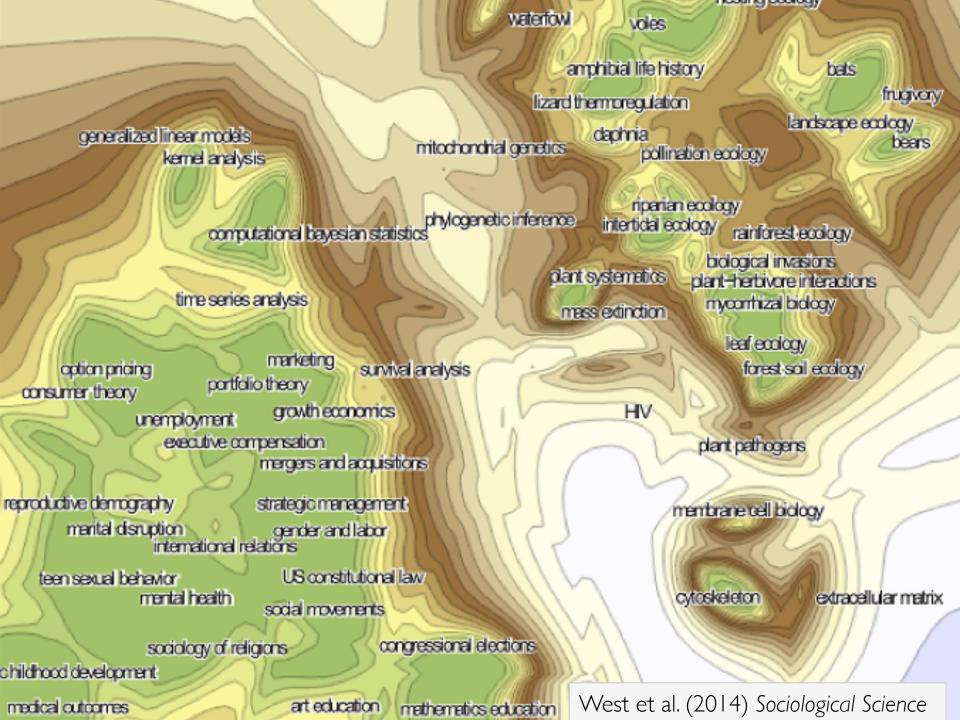


Diversification





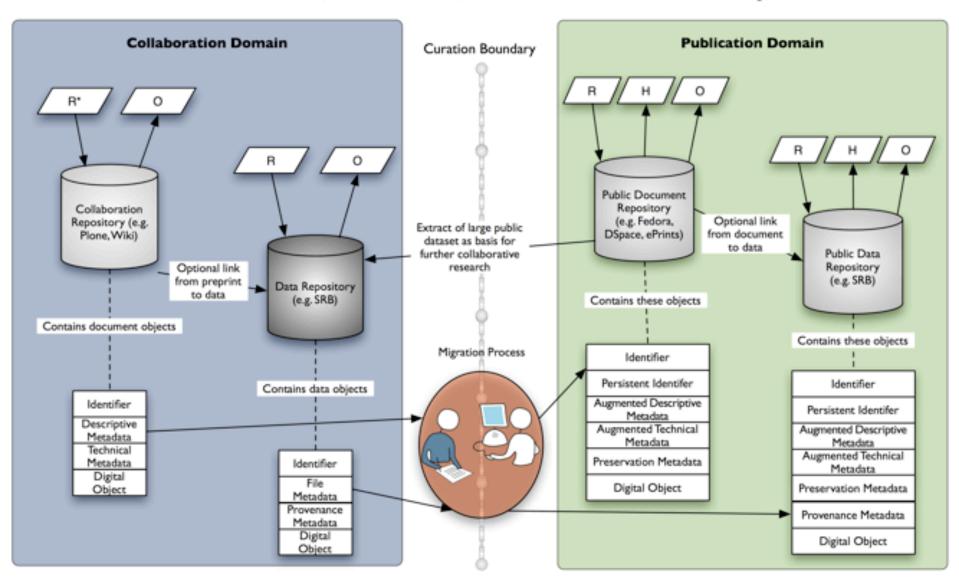
Translation





Data Curation

Collaboration, Publication, and the Curation Boundary



^{*} R = Register, H = Harvest, O = Obtain



Tech Transfer



Record of Innovation

Record of Innovation (ROI) Form

This ROI form is used for disclosing innovations to UW CoMotion including mechanical devices, materials, software, digital media and copyrighted works.

Please note the following steps to the ROI submission process:

Step 1: Complete and submit your ROI information online using the form below. <u>If needed, you may save</u> your work using the **Save** feature at the bottom of this form and submit your ROI when completed.

Step 2: After submitting your information online you will be prompted to <u>print a copy of the form to collect the necessary signatures</u> from your contributors. Forward to UW CoMotion (Attn: ROI Coordinator) via campus mail (Box 354990).

You will receive a confirmation email within 24 hours of receipt of this electronic ROI. Please reply to this email and attach any additional information such as manuscripts, grant applications or any other materials that help describe the innovation if available. Within two weeks the technology manager assigned to your ROI will contact you.

If you submitted an ROI and you do not hear from us within the above timeframe please contact our office at (206) 543-3970 to speak to the ROI Coordinator. We look forward to working with you.

For definitions of the fields, click here or click the [?] beside the field name.



Robots

Geometry Problem Solver

Questions		Interpretations		
(a) C B 2 E O 5	In the diagram at the left, circle O has a radius of 5, and CE = 2. Diameter AC is perpendicular to chord BD. What is the length of BD?	Equals(RadiusOf(O), 5) IsCircle(O) Equals(LengthOf(CE), 2) IsDiameter(AC) IsChord(BD) Perpendicular(AC), BD) Equals(what, Length(BD)) correct a) 12 b) 10 c) 8 d) 6 e) 4		
(b) B 40°	In isosceles triangle ABC at the left, lines AM and CM are the angle bisectors of angles BAC and BCA. What is the measure of angle AMC?	IsIsoscelesTriangle(ABC) BisectsAngle(AM, BAC) IsLine(AM) CC(AM, CM) CC(BAC, BCA) IsAngle(BAC) IsAngle(AMC) Equals(what, MeasureOf(AMC)) correct (a) 110 b) 115 c) 120 d) 125 e) 130		
$A \longrightarrow D$	In the figure at left, The bisector of angle BAC is perpendicular to BC at point D. If AB = 6 and BD = 3, what is the measure of angle BAC?	IsAngle(BAC) BisectsAngle(line, BAC) Perpendicular (line, BC) Equals(LengthOf(AB), 6) Equals(LengthOf(BD), 3) IsAngle(BAC) Equals(what, MeasureOf(BAC)) correct a) 15 b) 30 c) 45 d) 60 e) 75		



Translation	Reproducibility	Data Scientists	Data Ethics
Calling Bullshit	Full Stack	Tech Transfer	Reproducibility
Data Curation	Diversification	Education	Tenure

Lately, I've been losing sleep. Dreaming of all the things that we could be.

https://www.pinterest.com/pin/402509285417761748/

Translation	Reproducibility	Data Scientists	Data Ethics
Calling Bullshit	Full Stack	Open Access	Reproducibility
Data Curation	Diversification	Education	Tenure