



THE POWER OF MATH

**SUPERHERO PROFESSORS
SOLVE EVERYDAY PROBLEMS**

STRENGTH IN NUMBERS!

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• ILLUSTRATIONS BY KENNY KIERNAN



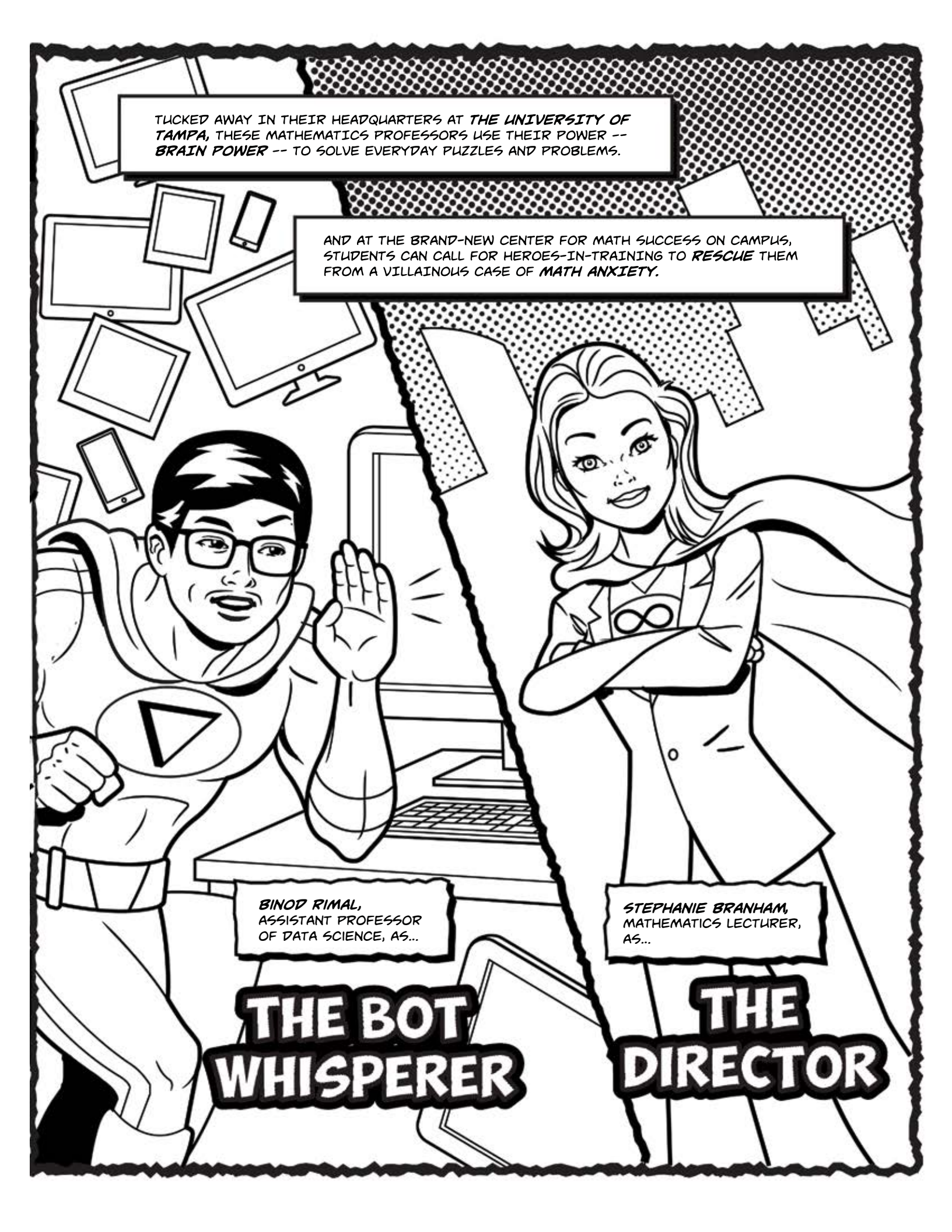
BRIAN GARMAN,
ASSOCIATE PROFESSOR
OF MATHEMATICS, AS...

ALGORITHMMAN



ANGELA ANGELESKA,
ASSOCIATE PROFESSOR
OF MATHEMATICS, AS...

GRAPHITE

A black and white comic book illustration. On the left, a man with glasses and a superhero costume with a triangle emblem is shown in a dynamic pose, with his right hand raised. On the right, a woman with blonde hair, wearing a lab coat with an infinity symbol and a cape, stands with her arms crossed. The background is filled with floating icons of various electronic devices like smartphones and tablets. Two speech bubbles at the top contain text about their powers and a mission. At the bottom, two large, bold labels identify the characters.

TUCKED AWAY IN THEIR HEADQUARTERS AT *THE UNIVERSITY OF TAMPA*, THESE MATHEMATICS PROFESSORS USE THEIR POWER -- *BRAIN POWER* -- TO SOLVE EVERYDAY PUZZLES AND PROBLEMS.

AND AT THE BRAND-NEW CENTER FOR MATH SUCCESS ON CAMPUS, STUDENTS CAN CALL FOR HEROES-IN-TRAINING TO *RESCUE* THEM FROM A VILLAINOUS CASE OF *MATH ANXIETY*.

BINOD RIMAL,
ASSISTANT PROFESSOR
OF DATA SCIENCE, AS...

**THE BOT
WHISPERER**

STEPHANIE BRANHAM,
MATHEMATICS LECTURER,
AS...

**THE
DIRECTOR**

ALGORITHMMAN: THE CUBE CRACKER

THE RUBIK'S CUBE HAD JUST HIT THE MARKET, AND THERE WERE MILLIONS OF WAYS TO SOLVE IT. EVEN STILL, LITTLE 6-YEAR-OLD KYLE WAS STUMPED.

THEN, HE GOT AN *IDEA*...



UNCLE BRIAN,
CAN YOU SOLVE
THIS WITH
MATH?



UNCLE BRIAN, ALSO KNOWN AS **ALGORITHMMAN**, SPECIALIZED IN ABSTRACT MATHEMATICS, WHICH APPLIES THEOREMS, ALGORITHMS AND OTHER MATHEMATICAL CONCEPTS FOR PRACTICAL USE IN THE REAL WORLD.

KYLE TOLD ALL HIS FRIENDS THAT I WAS GOING TO SOLVE THE CUBE WITH MATH. I CAN'T LET HIM DOWN.



ALGORITHMMAN COMPARES IT TO **ABSTRACT PAINTING**, SAYING IT'S LIKE CREATING SOMETHING OUT OF NOTHING THAT ONLY A FEW WILL UNDERSTAND. WHEN KYLE ASKED FOR HELP WITH HIS RUBIK'S CUBE, ALGORITHMMAN DEVOTED HIMSELF TO **FIGURING IT OUT**.

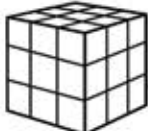
FOR WEEKS, ALGORITHMMAN STAYED UP UNTIL THE WEE HOURS, TAKING HUNDREDS OF PAGES OF NOTES.



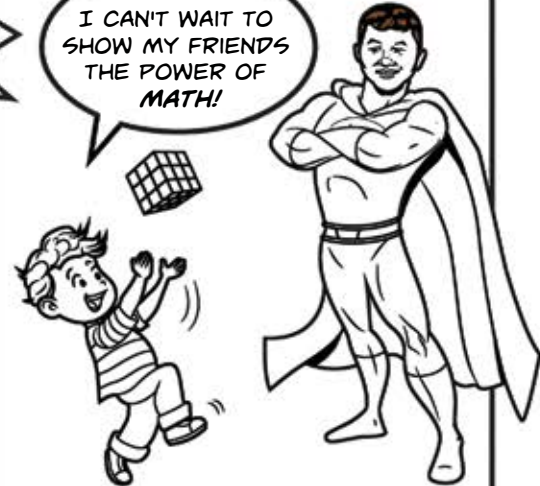
BREAK-THROUGH!

ALGORITHMMAN
PINPOINTED THE RIGHT
ORDER OF MOVES TO
CRACK THE CUBE!

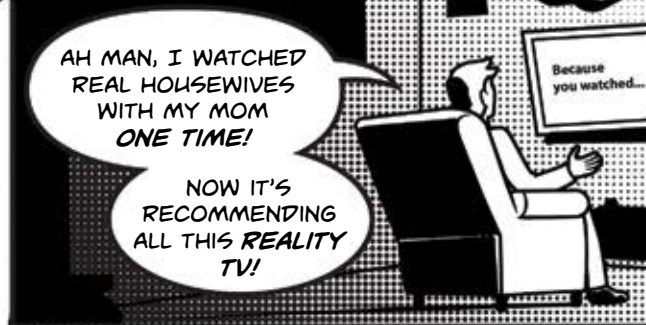
USING ORIGINAL MATHEMATICAL THEORIES, HE SOLVED THE WHOLE CUBE EXCEPT FOR **THREE CORNERS**. HE WALKED BY THE CUBE RESTING ON HIS DESK **EVERY DAY** AND GAVE IT A GOOD, LONG STARE, WONDERING **HOW** HE COULD SOLVE IT WITHOUT MESSING UP HIS PROGRESS.



I CAN'T WAIT TO
SHOW MY FRIENDS
THE POWER OF
MATH!



THE ALL-KNOWING BOT WHISPERER



AI RECOMMENDER SYSTEMS COLLECT HISTORICAL USER DATA TO IMPROVE FUTURE FILTERING PERFORMANCE. SO, WHEN THEY START ACTING UP -- WHETHER IT'S STREAMING PLATFORMS, ONLINE STORES OR SOCIAL MEDIA -- THEY REQUIRE ADDITIONAL FOUNDATIONAL INFORMATION.

THE **BOT WHISPERER** CAN GUIDE THE MACHINES IN DEVELOPING THEIR OWN METHODS FOR CATEGORIZING SIMILAR ITEMS.

BY PROVIDING THE BOTS WITH EXAMPLES OF USER INTERACTIONS, SUCH AS SHOWS WATCHED OR PURCHASES MADE, THEY CAN LEARN TO SUGGEST THE MOST RELEVANT ITEMS TO USERS.



GRAPHITE

VS.

THE CODE OF CHAOS

EVERYTHING IS
SO *ORGANIZED*!

USING *GRAPH THEORY*, I CAN
CLUSTER INFORMATION TO PREDICT
PROTEIN COMPLEXES IN OUR BODIES.
CAN I ALSO USE THESE CLUSTERS TO
FIND COMMON BELIEFS AMONG
SOCIAL MEDIA USERS AND IDENTIFY
FAKE NEWS ONLINE?

AHHH!

WHAT'S
HAPPENING
TO MY
CLUSTERS?

BOINK!

RATTLE!

I AM THE CODE OF CHAOS.
I CURSE YOUR CLUSTERS!
NO MORE ACCURATE
PREDICTIONS!

I'VE GOT TO
DEFEAT THE *CODE
OF CHAOS* SO I CAN
GET MY *CLUSTERS*
BACK!

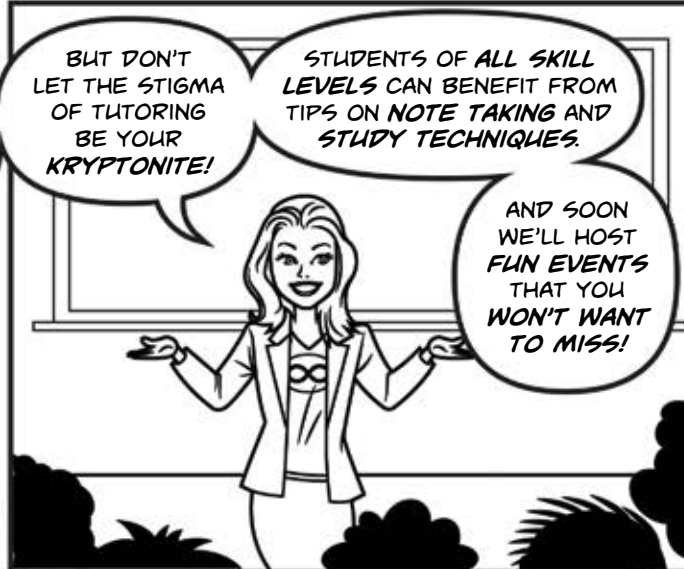
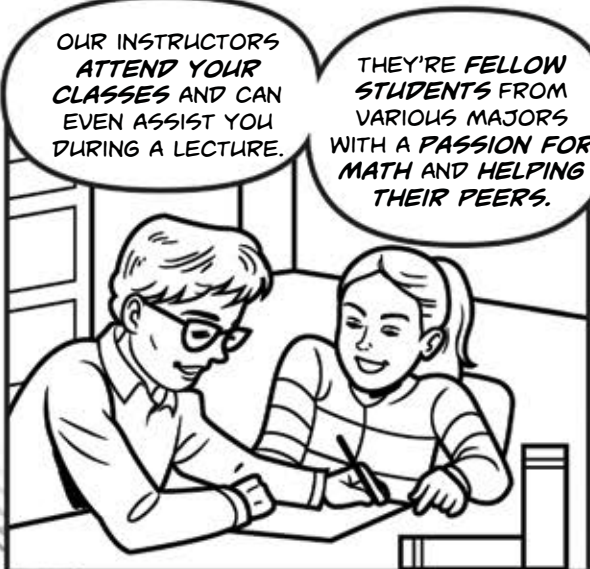
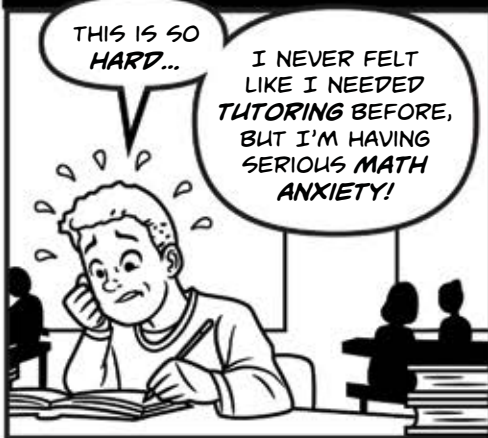
IF I *TRACE* WHO'S
BRINGING THIS CHAOS,
I CAN FIND THEIR
WEAKNESSES FROM
THEIR *SOCIAL MEDIA*
NETWORKS!

AHA! GOT 'EM.
BY *ORGANIZING CLUSTERS*
OF THEIR FRIENDS, GROUPS AND
LIKES, I CAN SAFELY ASSUME
THAT THEY *DESTROYED* MY
ORIGINAL CLUSTERS BECAUSE
THEY *THRIVE OFF OF*
MESS!

NOOO!
THIS IS TOO CLEAN FOR
ME TO SURVIVE!
I'LL...GET...YOU...
GRAPH...ITE...

ZZZAP!

WHERE HEROES ARE MADE



BE YOUR OWN HERO!

