
Discrete Mathematics

Decision Theory and Game Theory

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CTTI Workshop: UIC

June 15, 2013

These slides are available on my [homepage](#).

What is discrete mathematics anyway?

To name a few topics . . .

- ▶ Combinatorics
- ▶ Logic
- ▶ Probability
- ▶ Statistics
- ▶ Graph Theory
- ▶ Iteration and recursion
- ▶ Game Theory
- ▶ Cryptography

What is discrete mathematics anyway?

The flavor is often . . .

- ▶ Meaningful applications
- ▶ Easy to understand problems
- ▶ Fun and engaging

Workshop 6: June 15

We will be looking at applications from two books from W.H. Freeman

- ▶ *Discrete Mathematics Through Applications*
by Nancy Crisler and Gary Froelich
- ▶ *For All Practical Purposes*
by COMAP, a consortium of mathematicians

Workshop 5: What's Fair

with Steve Starr, Lake View High School

Other Resources: