What If?
Artificial Intelligence
In Legal Services

By:
Abhijeet Chavan

Presented at:
Better Access Through Unbundling

Oct 26, 2017

IAALS/ABA
Denver, CO

A I

Machine learning
Natural language processing
Natural language generation
Decision management
Audio/Speech analysis
Virtual assistants
Deep learning
Robotics

Big Data

More data will be created in 2017 than the previous 5,000 years of humanity

Machine Learning

Machine learning is a statistical process that derives rules from data to gain insights or make predictions.

HOW ARTIFICIAL INTELLIGENCE AND ROBOTS WILL RADICALLY TRANSFORM THE ECONOMY

BY **KEVIN MANEY** ON 11/30/16 AT 8:10 AM

The world's top tech companies are in a race to build the best AI and capture that massive market, which means the technology will get better fast—and come at us as fast.

Google, Facebook and Microsoft are devoting their research labs to AI and robotics.

PREPARING FOR THE FUTURE OF ARTIFICIAL INTELLIGENCE

Executive Office of the President
National Science and Technology Council
Committee on Technology

October 2016

"One area of great optimism about AI and machine learning is their potential to improve people's lives by helping to solve some of the world's greatest challenges and inefficiencies."

Artificial Intelligence

A I

Intelligent Automation

I A
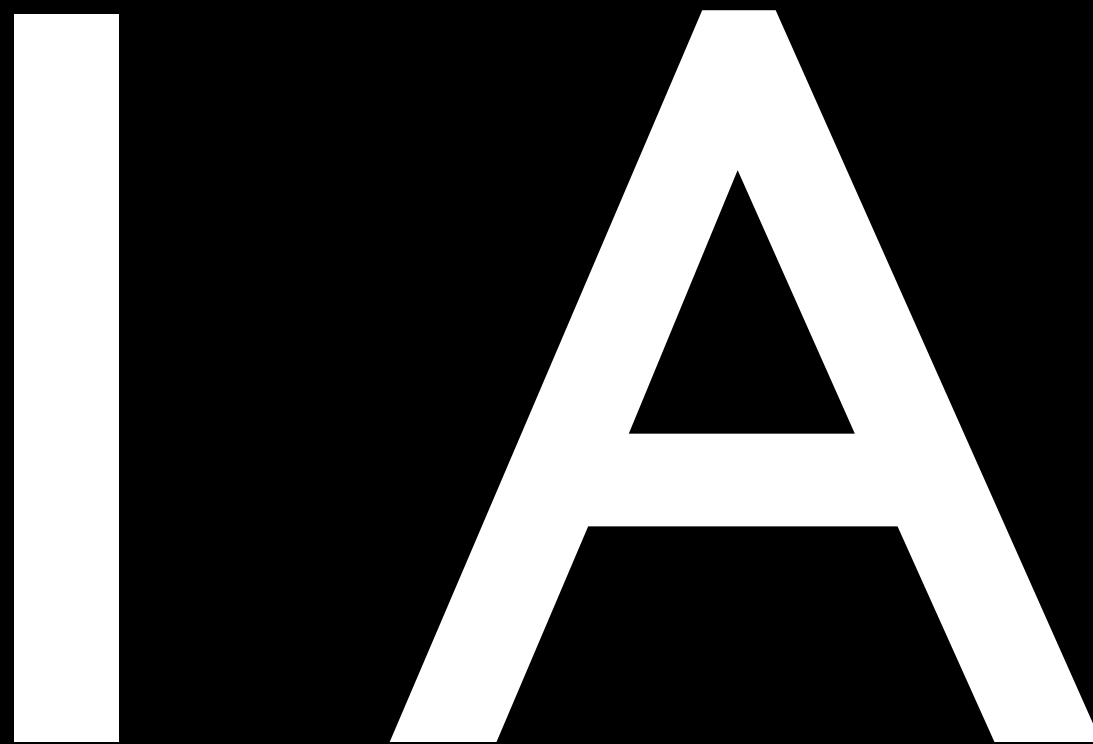
Image Recognition Challenge Error Rate:

AI in 2011   26.0%

Humans   5.0%

AI in 2015   3.5%

Artificial Intelligence

A I

Intelligence Augmentation

IA
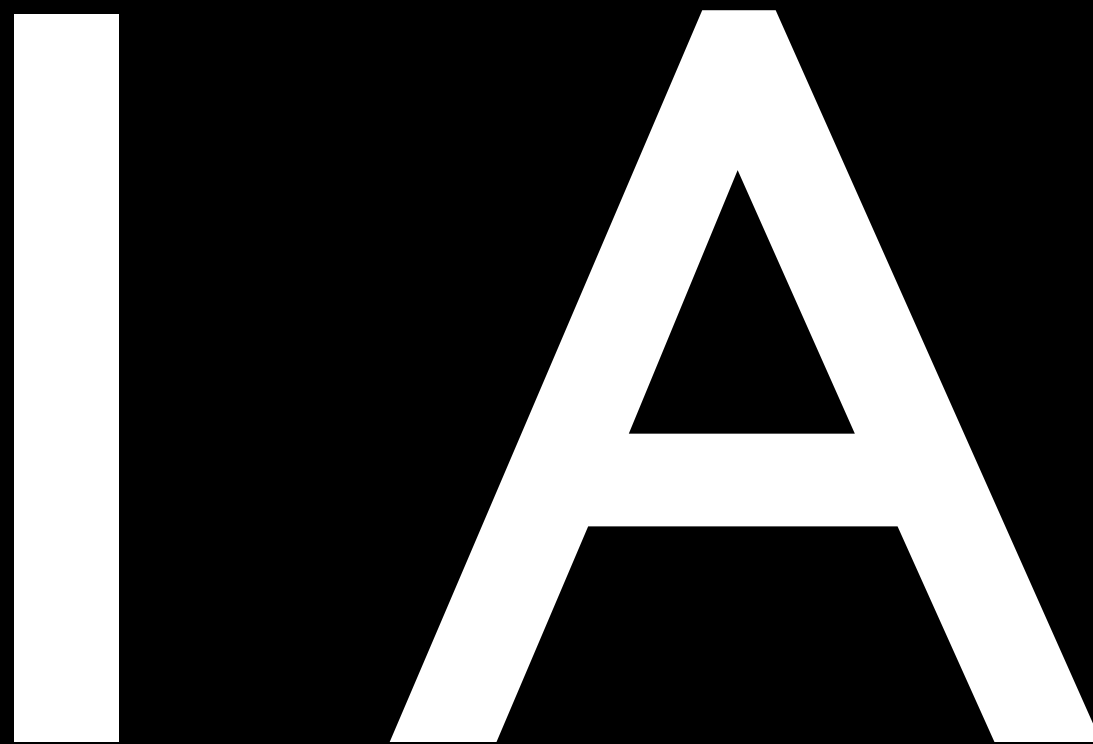
Analyzing Lymph Node Cells to Detect Cancer

AI   7.5%

Pathologist   3.5%

AI + Pathologist   0.5%

WEAPONS OF
MATH DESTRUCTION

HOW BIG DATA INCREASES INEQUALITY
AND THREATENS DEMOCRACY

CATHY O'NEIL

'Wise, fierce and desperately necessary'
JORDAN ELLENBERG

https://www.propublica.org/series/machine-bias

Bias in Criminal Risk Scores Is Mathematically Inevitable

Facebook Doesn't Tell Users Everything It Really Knows About

Facebook Lets Advertisers Exclude Users by Race

Breaking the Black Box: How Machines Learn to Be Racist

Making Algorithms Accountable

Conversational User Interface

Chatbots

Virtual Assistants

In Collaboration With

LSC

DLAW

Drupal for Legal Aid Websites
openadvocate.org/dlaw

OpenAdvocate

www.openadvocate.org

GuideClearly

Interactive guides for your website
guideclearly.com @guideclearly

Landlord and Tenant

Interactive forms are available for free to low income individuals with certain landlord or tenant issues, see our list of available forms below. If you have a landlord or tenant issue that our interactive forms does not address, you can visit the Court Assistance Office (CAO) website ⧉ to print out other forms and complete them by hand.

Are you a tenant or a landlord?

Tenant

Are you living in Idaho?

Yes

Will you be representing yourself if the issue goes to court?

Yes

No

¿Es un inquilino o un propietario?

Inquilino

¿Vives en Idaho?

Sí

¿Se representará usted mismo si el problema pasa a la corte?

Sí

No

Can I use online forms for landlord or tenant legal issues?

⊘ Online   ⊘ Offline

Find out if you can use our online forms for landlord or tenant issues.

12 questions, 14 paths, longest is 8
⊘ Published 8 months 4 weeks ago

Delete Guide   ⧉ Duplicate Guide

| ✎ Edit | ☰ Outline | 👁 Preview | </> Embed | ⤴ Share | ▥ Analytics |

↑

Revert changes   Publish

Are you a tenant or a landlord?

Tenant

Q   ✖ remove   ✎ edit
Are you living in Idaho?

| ✖ remove   ✎ edit | ✖ remove   ✎ edit | ➕ option |
| Yes | No | |

↓

✖ remove   ✎ edit
Sorry you will not be
able to use our online
forms. Please check

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Delete Guide   ⧉ Duplicate Guide

Edit	Outline	Preview	Embed	Share	Analytics

Collapse all

⊟ Q: Are you a tenant or a landlord?

— A: Tenant
⊟ Q: Are you living in Idaho?

— A: Yes
⊟ Q: Will you be representing yourself if the issue goes to court?

— A: Yes
⊟ Q: Is your landlord protected by the Servicemembers Civil Relief Act of 2003?

— A: Yes
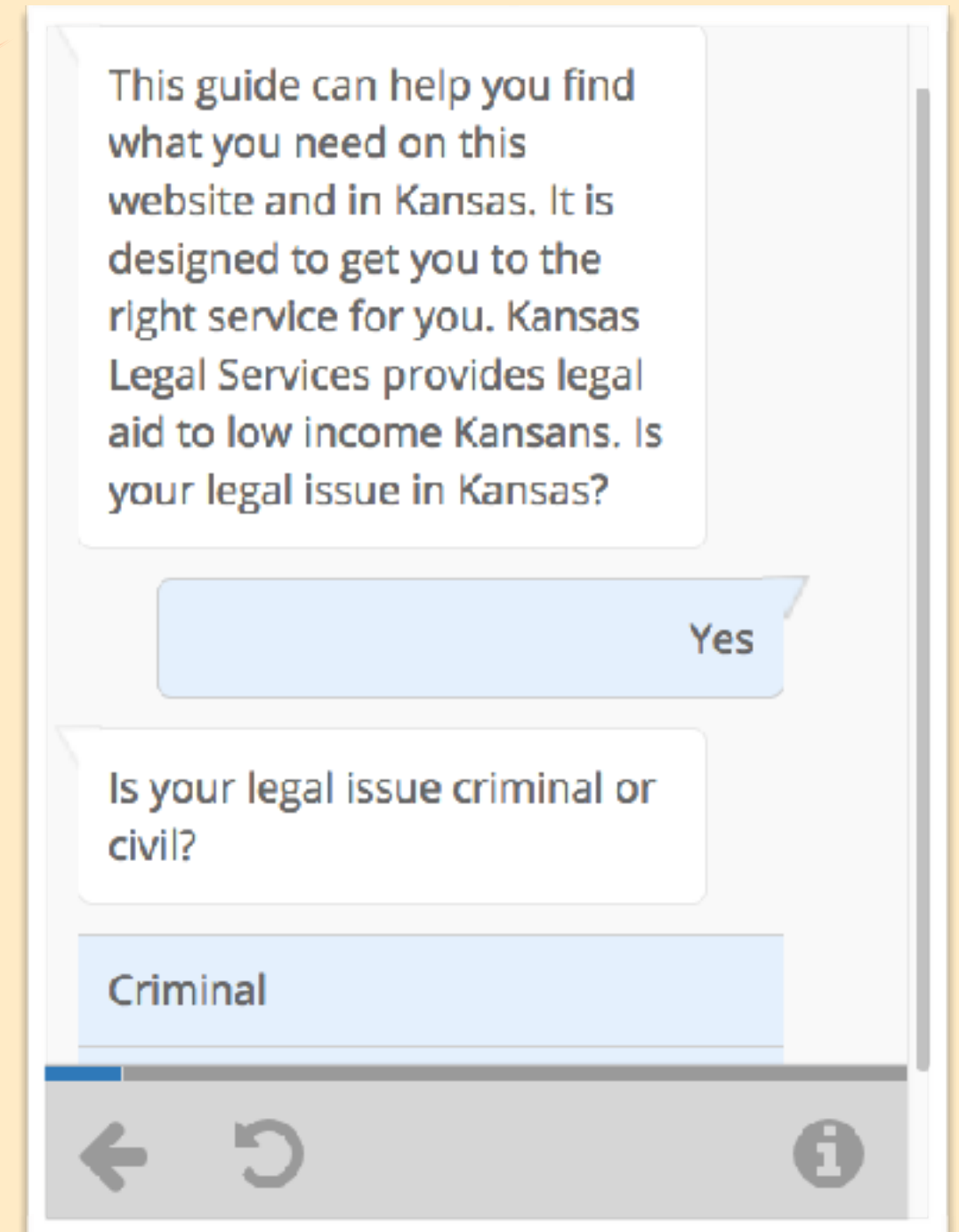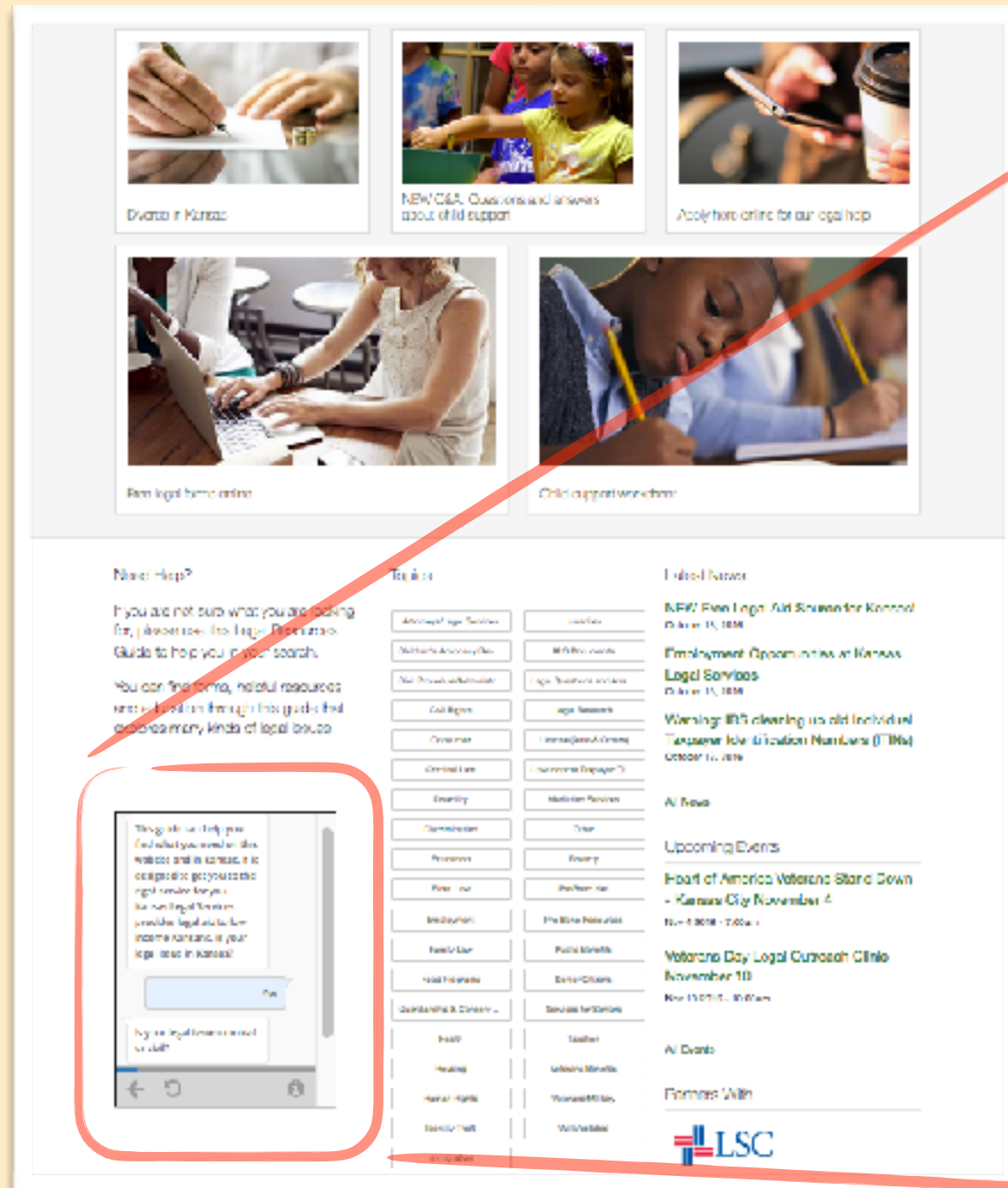Sorry you will not be able to use our online forms. Please check with your local CAO office for information.
http://www.courtselfhelp.idaho.gov/find-office

— A: No
⊟ Q: We offer the following forms. Please select the one you need

— A: Repairs Notice Packet: To request repairs from your landlord

Kansas Legal Services uses GuideClearly
to help users find legal info and help

This guide can help you find what you need on this website and in Kansas. It is designed to get you to the right service for you. Kansas Legal Services provides legal aid to low income Kansans. Is your legal issue in Kansas?

Yes

Is your legal issue criminal or civil?

Criminal

Pine Tree Legal Assistance uses GuideClearly
for medical services eligibility screening

124
Questions

Section 17 Eligibility Tool

Are you over 18?

Yes

Is your primary diagnosis Schizophrenia or Schizoaffective Disorder?

Yes

Do you have a LOCUS score of 17 or higher?

Yes

264
Unique Paths

Essential Readings - 1

- White House: Preparing for the Future of Artificial Intelligence
  https://obamawhitehouse.archives.gov/blog/2016/10/12/administrations-report-future-artificial-intelligence

- ProPublica Series: Machine Bias
  https://www.propublica.org/series/machine-bias

- Code-Dependent: Pros and Cons of the Algorithm Age
  http://pewrsr.ch/2kslvuK

- Top 9 Ethical Issues in Artificial Intelligence
  https://www.weforum.org/agenda/2016/10/top-10-ethical-issues-in-artificial-intelligence/

- Asilomar AI Principles
  https://futureoflife.org/ai-principles/

Essential Readings - 2

- Why Our Conversations on Artificial Intelligence Are Incomplete
  https://thewire.in/109882/why-our-conversations-on-artificial-intelligence-are-incomplete/

- As Computers Get smarter, Who Keeps Tabs On Their Ethics?
  https://www.theguardian.com/technology/2017/feb/05/artificial-intelligence-ethics-poker-libratus-texas-holdem-ai-deepstack

- What's Still Missing From the AI Revolution
  https://www.fastcodesign.com/3068005/whats-still-missing-from-the-ai-revolution

- AI watchdog needed to regulate automated decision-making
  https://www.theguardian.com/technology/2017/jan/27/ai-artificial-intelligence-watchdog-needed-to-prevent-discriminatory-automated-decisions

- How AI and Robots will Radically Transform the Economy
  http://www.newsweek.com/2016/12/09/robot-economy-artificial-intelligence-jobs-happy-ending-526467.html

"Every area of life will be affected. Every. Single. One."

Baratunde Thurston
Director's Fellow at MIT Media Lab
Source: Pew Research Center

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