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OUTLINE

I. MOTIVATION

II. CREATION

III. COMPARISON

IV. EXPERIMENTS

DOCKET

Case: 1:04-cv-845 As of: 05/25/2017 01:42 PM EDT 1 of 4

CLOSED,CONSOL

**U.S. District Court
Southern District of Ohio (Cincinnati)
CIVIL DOCKET FOR CASE #: 1:04-cv-00845-SAS**

Equal Employment Opportunity Commission v. Ford Motor
Company et al
Assigned to: Judge S Arthur Spiegel
Cause: 28-451 Employment Discrimination

Date Filed: 12/27/2004
Date Terminated: 06/17/2005
Jury Demand: None
Nature of Suit: 442 Civil Rights; Jobs
Jurisdiction: U.S. Government Plaintiff

Plaintiff

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Commission**

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Case: 1:04-cv-845 As of: 05/25/2017 01:42 PM EDT 2 of 4

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Defendant

**National Ford-UAW Joint
Apprenticeship Committee**

Defendant

**Local Ford-UAW Joint
Apprenticeship Committee**

Date Filed	#	Docket Text
12/27/2004	1	COMPLAINT against Local Ford-UAW Joint Apprenticeship Committee, Ford Motor Company, United Automobile, Aerospace and Agricultural Implement Workers of America, United Automobile, Aerospace and Agricultural Implement Workers of America, Local 863, National Ford-UAW Joint Apprenticeship Committee (Filing fee \$ 150.), filed by Plaintiff Equal Employment Opportunity Commission. 48BE (Attachments: # 1 Civil Cover Sheet # 2 receipt)(mlc.) (Entered: 12/27/2004)

COMPLAINTS

FILED
JAMES DOWNUM
CLERK
04 DEC 27 PM 3:30
U.S. DISTRICT COURT
SOUTHERN DISTRICT OF OHIO
WESTERN DIVISION

IN THE UNITED STATES DISTRICT COURT
FOR THE SOUTHERN DISTRICT OF OHIO
WESTERN DIVISION

EQUAL EMPLOYMENT OPPORTUNITY)
COMMISSION,)

Plaintiff,)

v.)

FORD MOTOR COMPANY,)

and)

UNITED AUTOMOBILE, AEROSPACE AND)
AGRICULTURAL IMPLEMENT WORKERS)
OF AMERICA,)

and)

UNITED AUTOMOBILE, AEROSPACE AND)
AGRICULTURAL IMPLEMENT WORKERS)
OF AMERICA, LOCAL 883,)

and)

THE NATIONAL FORD-UJAW JOINT)
APPRENTICESHIP COMMITTEE,)

CIVIL ACTION NO.

1:04 CV 845

COMPLAINT

J. DLOTT

J. HOGAN

and)
THE LOCAL FORD-UJAW JOINT)
APPRENTICESHIP COMMITTEE,)

Defendants.)

NATURE OF THE ACTION

This is an action under Title VII of the Civil Rights Act of 1964, to correct unlawful employment practices on the basis of race, and to provide appropriate relief to James Robinson, Sr., Gregory A. Dicks, Robert S. Payne, Robert Falls, Jr., Jerome R. Harris, Karthan Norman, Johnathan Glover, Shellah Brackett, Terri Gaither, Joseph W. Hendricks, Gordon B. Rinfro, Eric Barbee, Darnay Cheeks and the class of similarly-situated African-American apprenticeship test takers who were adversely affected by such practices. The Commission alleges that Defendants' apprenticeship test has a disparate impact on African-American apprentice applicants and consequently denies them eligibility and admission to the apprenticeship program at least since January 1, 1997.

JURISDICTION AND VENUE

1. Jurisdiction of this Court is invoked pursuant to 28 U.S.C. §§ 451, 1331, 1337, 1343 and 1345. This action is authorized and instituted pursuant to Section 706(f)(1) and (3) of Title VII of the Civil Rights Act of 1964, as amended, 42 U.S.C. § 2000e-5(f)(1) and (3) ("Title VII").

2. The employment practices alleged to be unlawful were and are now being committed within the jurisdiction of the United States District Court for the Southern District of Ohio, Western Division.

Robinson v. Ford Motor Co., Not Reported in F.Supp.2d (2005)

2005 WL 5253339
Only the Westlaw citation is currently available.
United States District Court,
S.D. Ohio, Western Division.

James ROBINSON, et al., Plaintiffs,

FORD MOTOR COMPANY, et al., Defendants.
THE EQUAL EMPLOYMENT OPPORTUNITY
COMMISSION Plaintiff,

FORD MOTOR COMPANY, et al., Defendants.

No. 1:04 CV 00844, 1:04 CV 00845. | June 15, 2005.

Attorneys and Law Firms

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Marvin Cook, Stephen A. Simon, Cincinnati, OH, Conroy
Y. Harper, Detroit, MI, for Defendants.

Opinion

OPINION & ORDER

SPIEGEL, Senior J.

*1 This matter is before the Court on the Parties' Joint Motion to Approve Class Action Settlement (doc. 21). Also before the Court are four filed Objections to the proposed settlement (docs. 16, 17, 18, and 19) one of which was withdrawn (doc. 20).

I. BACKGROUND

A. History of the Litigation

This is a class action, brought by a number of named Plaintiffs on behalf of themselves and other similarly situated individuals against Ford Motor Company, Inc. (hereinafter "Ford") and the International Union, United Automobile, Aerospace and Agricultural Implement Workers of America (hereinafter "UAW"). Ford and the UAW will be collectively referred to as the "Defendants" (doc. 1). The Plaintiffs, in their Complaint, sought declaratory, injunctive, and other equitable relief as well as compensatory and punitive damages, based on Ford's alleged continuing deprivation of rights accorded to themselves and members of a class of African-American Employees under the Civil Rights Act of 1871, as amended by the Civil Rights Act of 1991, 42 U.S.C. § 1981 (hereinafter "Section 1981"), Title VII of the Civil Rights Act of 1964, 42 U.S.C. § 2000e, and the Michigan Elliott-Larsen Civil Rights Act of 1976, MCLA § 37.2101 et seq. (*id.*).

Plaintiffs complained that Ford's testing process, the Apprenticeship Training Selection System ("ATSS") and the selection procedures used in this test, which were used to select and place individuals on Ford's apprenticeship eligibility list, denied unfairly African-Americans equal opportunity to participate in said apprenticeship program (*id.*). In addition, related charges were before the United States Equal Employment Opportunity Commission ("EEOC") filed by the Named Plaintiffs and Class Members (doc. 21). The Defendants deny liability and deny that they discriminated against class members in the apprenticeship selection (*id.*).

The Court praises the Parties for their efforts in bringing this litigation to quick resolution and notes that immediately following the filing of Plaintiffs' Complaint, the Parties filed a Joint Motion for Preliminary Approval of Settlement Agreement and Provisional Class Certification (doc. 2). The Court, so as to provide all interested parties an opportunity to comment on the proposed settlement and to provide the Court with a more thorough understanding of the proposed settlement, set the matter for a Fairness Hearing (doc. 5). On February 9, 2005, the Court Granted the Parties' Motion for Preliminary Approval of Settlement Agreement and Provisional Certification of Class (doc. 11). The Class provisionally approved by the Court's Order was defined as follows:

All current and former Ford employees of African descent who

Robinson v. Ford Motor Co., Not Reported in F.Supp.2d (2005)

took the Apprentice Training Selection System (ATSS) test for placement as an apprentice at any Ford facility at any time from January 1, 1997 to the date of Preliminary Approval and were not placed on a Ford apprenticeship program eligibility list during the Relevant Time Period. The settlement class does not include current and former Ford employees who took the ATSS for placement as an apprentice at any facility that is now, or was at the time the test was taken, a Viston facility.

*2 (*Id.*). The Fairness Hearing was held June 1, 2005.

B. The Proposed Settlement Agreement

The proposed Settlement Agreement resolves all claims raised by the Plaintiffs and the EEOC in this case and is summarized as follows:

1. Ford will immediately cease the use of the current selection procedure for choosing apprentices at Ford facilities in the U.S. (except as set forth in specific sections of the Settlement Agreement);
2. The parties will agree upon an industrial psychologist to serve as an expert to devise new apprenticeship selection procedures;
3. Ford will select 279 members of the Settlement Class and place them on the Ford apprenticeship program eligibility list. This aspect of the Settlement Agreement is designed to remedy claims for lost job opportunities;
4. To remedy monetary claims for the class, the Settlement Agreement also provides \$2400 to Settlement Class Members who submit a properly executed claim and release pursuant to Section X of the Settlement Agreement, and who do not opt out; and
5. Finally, the Settlement Agreement provides for incentive payments to the Named Plaintiffs and the Charging Parties, and reasonable attorneys' fees and reimbursement of expenses agreed to by Ford.

At the Fairness Hearing held before this Court on June 1, 2005 regarding the Parties' Joint Motion for Final Approval of Settlement Agreement (doc. 22) as well as Plaintiffs' Motion for Attorneys' Fees (doc. 23), the Court heard from Counsel for all Parties. As of the June 1, 2005 hearing, there were 3424 members of the class. A number of the Named Plaintiffs were present at the hearing. The Court placed all Objections on the record, either by reading filed Objections in open Court or by allowing those present to state their Objections in open Court. The Court then permitted Counsel for all Parties to respond to the Objections. The Court asked various probing questions concerning the Proposed Settlement to which it received well-reasoned and thorough answers. As such, the Court has been adequately briefed on the fairness of this settlement and is prepared to rule on the Parties' Joint Motion for Final Approval of Settlement Agreement (doc. 22).

II. DISCUSSION

A. The Class Action Settlement

Rule 23(a) of the Federal Rules of Civil Procedure provides that:

One or more members of a class may sue or be sued as representative parties on behalf of all only if (1) the class is so numerous that joinder of all members is impracticable, (2) there are questions of law or fact common to the class, (3) the claims or defenses of the representative parties are typical of the class, and (4) the representative parties will fairly and adequately protect the interests of the class.

Fed.R.Civ.P. 23(a). The Court must consider the factors of numerosity, commonality, typicality and adequacy under Rule 23(a) and determine that the Class should be certified.

First, the individuals in the Class are so numerous that joinder of all members would be impracticable. As noted above, the members of the class exceed 3400. Second, there are questions of law and fact common to the Class that predominate over any questions affecting only

SETTLEMENT AGREEMENT

IN THE UNITED STATES DISTRICT COURT
FOR THE SOUTHERN DISTRICT OF OHIO, WESTERN DIVISION

James Robinson, Sr., et al., and

U.S. Equal Employment Opportunity
Commission

Plaintiffs,

v.

Ford Motor Company and the United
Automobile, Aerospace and Agricultural
Implement Workers of America,

Defendants.

Civil Action No. _____

SETTLEMENT AGREEMENT

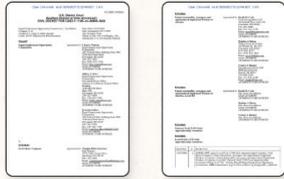
October 8, 2004

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CASE DOCUMENTS

Docket (4 Pages)



Complaints (12 Pages)



Opinions (4 Pages)



Settlement Agreement (36 Pages)



CASE SUMMARY

EEOC v. Ford Motor Company

This case is about an apprenticeship test that had a disparate impact on Black apprenticeship applicants... Filing on behalf of thirteen Black individuals..., the EEOC alleged that the individuals' employer, the Ford Motor Company ... violated Title VII of the Civil Rights Act, 42 U.S.C. § 1981, and Michigan state anti-discrimination law. ...

...

On June 15, 2005, the court found that the proposed settlement agreement was fair. 2005 WL 5253339. The next day, the court ordered that Ford pay \$1.1 million to cover attorneys' fees and expenses incurred during settlement negotiations, and \$567,000 to cover fees and expenses associated with the implementation and monitoring of the settlement agreement...



Case: EEOC v. Ford Motor Company

1:04-cv-00845 | U.S. District Court for the Southern District of Ohio

Filed Date: Dec. 27, 2004
Closed Date: June 15, 2008
Clearinghouse coding complete



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Case Summary

This case is about an apprenticeship test that had a disparate impact on Black apprenticeship applicants. The Equal Employment Opportunity Commission (EEOC) filed this lawsuit on December 27, 2004, in U.S. District Court for the Southern District of Ohio. Filing on behalf of thirteen Black individuals and a class of similarly situated Black apprenticeship test takers, the EEOC alleged that the individuals' employer, the Ford Motor Company, as well as their union, the United Automobile, Aerospac...

[show full summary](#)

Summary Authors

Keri Livingston (8/26/2008)
Rachel Barr (4/8/2018)

Related Cases

EEOC v. H Q Global Workplace, Inc., Northern District of Illinois (2002)
Robinson et al v. Ford Motor Company, Inc. et al, Southern District of Ohio (2004)

People

State / Territory: Ohio

Case Type(s):
Equal Employment

Special Collection(s):
EEOC Study — in sample
Multi-LexSum (in sample)

Key Dates

Filing Date: Dec. 27, 2004
Closing Date: June 15, 2008
Case Ongoing: No

Plaintiffs

Plaintiff Description:
Equal Employment Opportunity Commission, on behalf of one or more workers.

Plaintiff Type(s):
Private Plaintiff

CHALLENGE

200+ pages or 75,000+ words

The total average length of all court documents for a legal case

CHALLENGE

200+ pages or 75,000+ words

The total average length of all court documents for a legal case

1~10 hours

The time needed for a legal expert¹ to write the summary

¹When referring to legal experts, we mean practitioners who have received formal legal training, including law students, other than lay people.

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- *Free law projects*



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A Challenging, Real-World Dataset for NLP Models

MOTIVATION



for legal practitioners

(Semi)-Automated Legal Case Summarization

- *More efficiently understand lawsuits*
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for NLP researchers

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- *Real-world task*
- *Long input context*
- *Controlled summarization*

OUTLINE

I. MOTIVATION

II. CREATION

III. COMPARISON

IV. EXPERIMENTS

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SOURCE
DOCUMENTS



Docket



Motions



Complaint



Opinion



Settlement



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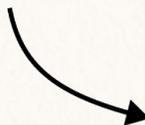


Opinion



Settlement

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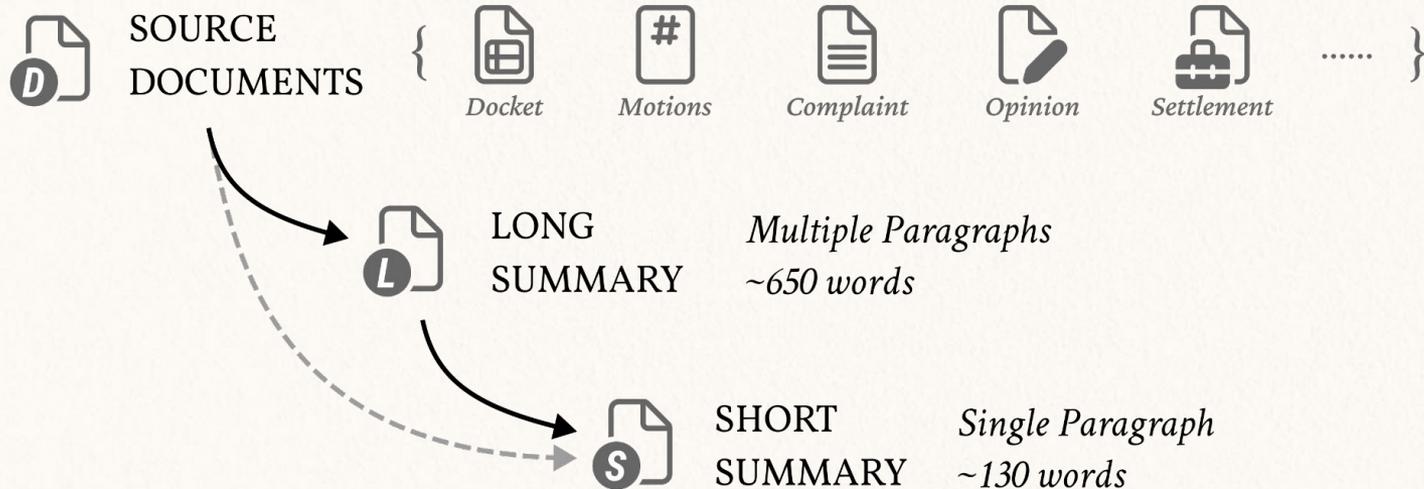


LONG
SUMMARY

Multiple Paragraphs
~650 words

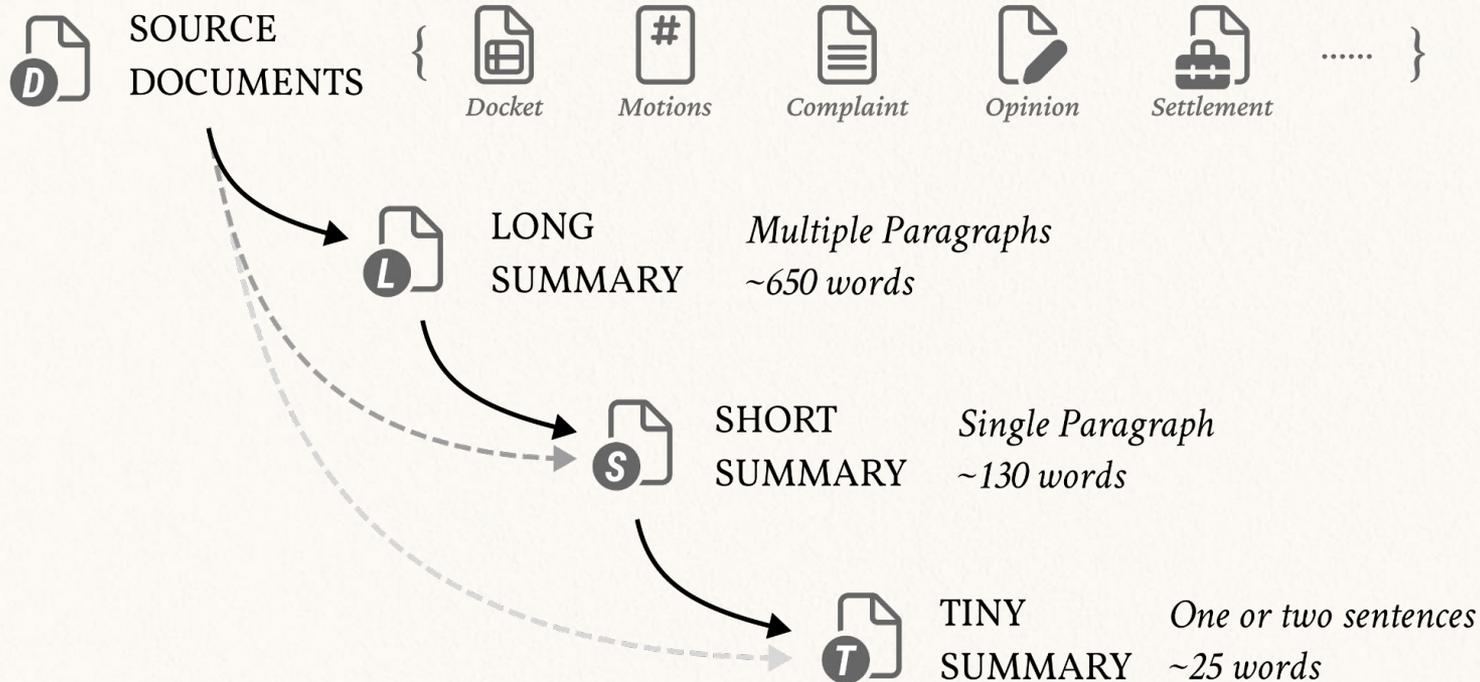
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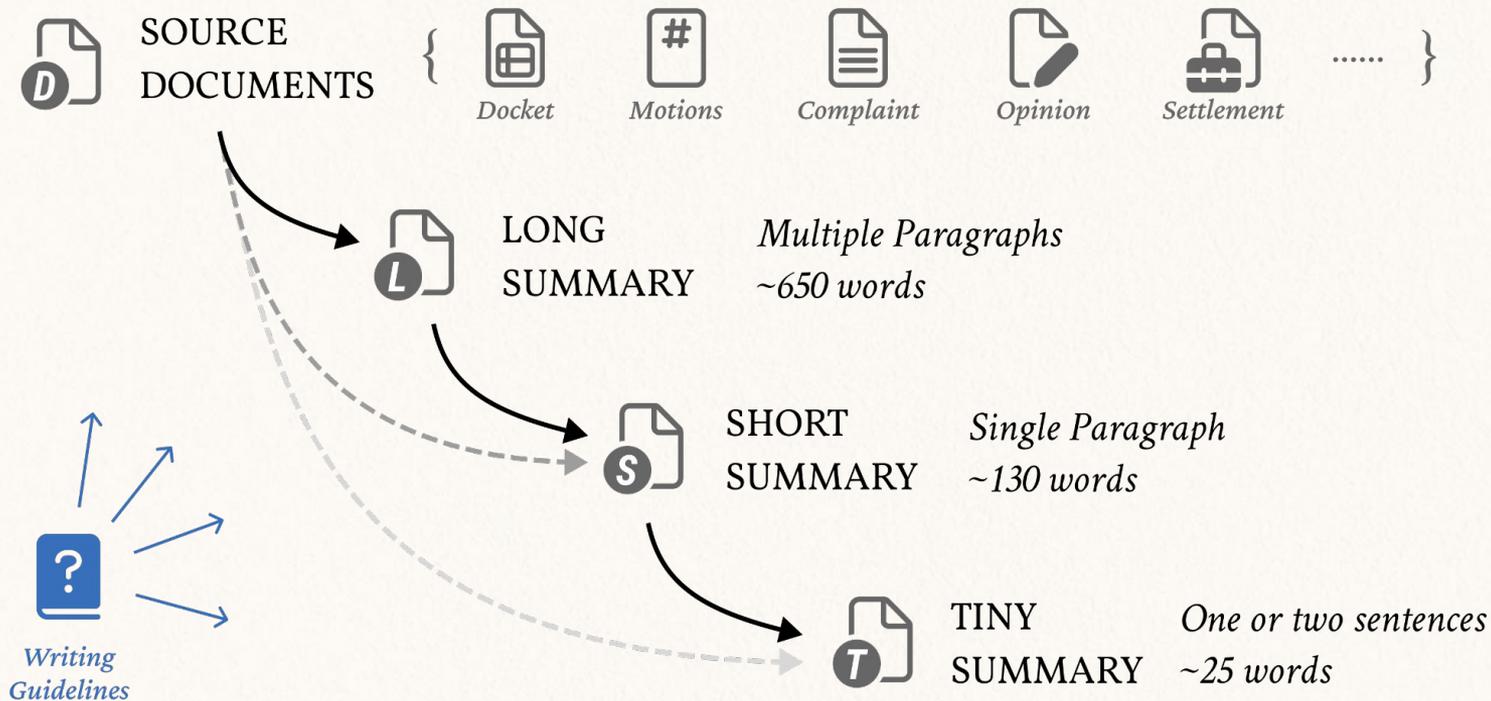
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ANATOMY OF A SUMMARY

This case is about an apprenticeship test that had a disparate impact on Black apprenticeship applicants. The Equal Employment Opportunity Commission (EEOC) filed this lawsuit on December 27, 2004, in U.S. District Court for the Southern District of Ohio. Filing on behalf of thirteen Black individuals and a class of similarly situated Black apprenticeship test takers, the EEOC alleged that the individuals' employer, the Ford Motor Company, as well as their union, the United Automobile, Aerospace, and Agricultural implement workers of America (the "UAW"), and the Ford-UAW Joint Apprenticeship Committee, violated Title VII of the Civil Rights Act, 42 U.S.C. § 1981, and Michigan state anti-discrimination law. At issue were the selection tests for apprenticeship training programs, whose disparate impact denied Black applicants eligibility and admission. The EEOC sought injunctive relief, as well as damages (including backpay) for the Black apprenticeship applicants. The case was assigned to Judge Susan J. Dlott.

CREATION

ANATOMY OF A SUMMARY

Filing date	This case is about an apprenticeship test that had a disparate impact on Black apprenticeship applicants. The Equal Employment Opportunity Commission (EEOC) filed this lawsuit on December 27, 2004, in U.S. District Court for the Southern District of Ohio.	Plaintiff description
Plaintiff description	Filing on behalf of thirteen Black individuals and a class of similarly situated Black apprenticeship test takers, the EEOC alleged that the individuals' employer, the Ford Motor Company, as well as their union, the United Automobile, Aerospace, and Agricultural implement workers of America (the "UAW"), and the Ford-UAW Joint Apprenticeship Committee, violated Title VII of the Civil Rights Act, 42 U.S.C. § 1981, and Michigan state anti-discrimination law.	Court's full name
Defendant description	At issue were the selection tests for apprenticeship training programs, whose disparate impact denied Black applicants eligibility and admission. The EEOC sought injunctive relief, as well as damages (including backpay) for the Black apprenticeship applicants. The case was assigned to Judge Susan J. Dlott.	Class description
Remedy sought		Statutory basis for case
		Judge's Name

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*Legal Scholars, attorneys, and students from
Civil Rights Litigation Clearinghouse & UMich*

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CREATION

Process • Writers • Features

Expert Authored

Manually written by legal experts, following the guidelines

Multi-granularity

It contains target summaries of different detailedness

CREATION

Process • Writers • Features

Expert Authored

Manually written by legal experts, following the guidelines

Multi-granularity

It contains target summaries of different detailedness

Long Context

The total length of source documents is more than 75k words.

CREATION

Process • Writers • Features

Expert Authored

Manually written by legal experts, following the guidelines

Multi-granularity

It contains target summaries of different detailedness

Long Context

The total length of source documents is more than 75k words.

Long Summary

Long summaries in Multi-LexSum are usually more than 600 words.

OUTLINE

I. MOTIVATION

II. CREATION

III. COMPARISON

IV. EXPERIMENTS

MULTI-LEXSUM

COMPARISON

COMPARISON

SDS · MDS

Single Document Summarization Datasets

News

XSUM

Narayan et al.

CNN/DM

See et al.

Newsroom

Grusky et al.

Legal

BigPatent

Sharma et al.

BillSum

Kornilova et al.

Scientific

SciTLDR

Cachola et al.

Literature

BookSum

Kryściński et al.

COMPARISON

SDS · MDS

Dataset Name

Multi-LexSum

.....
XSUM

CNN/DM

Newsroom

BigPatent

BillSum

SciTLDR

BookSum

COMPARISON

SDS · MDS

Dataset Name	Creation
Multi-LexSum	<i>Expert Authored</i>
XSUM	<i>Automatic Extraction</i>
CNN/DM	<i>Automatic Extraction</i>
Newsroom	<i>Automatic Extraction</i>
BigPatent	<i>Automatic Extraction</i>
BillSum	<i>Expert Authored</i>
SciTLDR	<i>Expert Authored</i>
BookSum	<i>Automatic Extraction</i>

COMPARISON

SDS · MDS

Dataset Name	Creation	Target Summary
Multi-LexSum	<i>Expert Authored</i>	<i>Multi-Granularity</i>
XSUM	<i>Automatic Extraction</i>	<i>Single-Target</i>
CNN/DM	<i>Automatic Extraction</i>	<i>Single-Target</i>
Newsroom	<i>Automatic Extraction</i>	<i>Single-Target</i>
BigPatent	<i>Automatic Extraction</i>	<i>Single-Target</i>
BillSum	<i>Expert Authored</i>	<i>Single-Target</i>
SciTLDR	<i>Expert Authored</i>	<i>Multi-Target</i>
BookSum	<i>Automatic Extraction</i>	<i>Single-Target</i>

COMPARISON

SDS · MDS

Dataset Name	Creation	Target Summary	Context Length	Summary Length
Multi-LexSum	<i>Expert Authored</i>	<i>Multi-Granularity</i>	<i>75k</i>	<i>25 / 130 / 647</i>
XSUM	<i>Automatic Extraction</i>	<i>Single-Target</i>	<i>0.5k</i>	<i>24</i>
CNN/DM	<i>Automatic Extraction</i>	<i>Single-Target</i>	<i>0.8k</i>	<i>60</i>
Newsroom	<i>Automatic Extraction</i>	<i>Single-Target</i>	<i>0.8k</i>	<i>31</i>
BigPatent	<i>Automatic Extraction</i>	<i>Single-Target</i>	<i>3.6k</i>	<i>117</i>
BillSum	<i>Expert Authored</i>	<i>Single-Target</i>	<i>1.8k</i>	<i>218</i>
SciTLDR	<i>Expert Authored</i>	<i>Multi-Target</i>	<i>5.8k</i>	<i>22</i>
BookSum	<i>Automatic Extraction</i>	<i>Single-Target</i>	<i>126k</i>	<i>1163.1</i>

COMPARISON

SDS·MDS

Multi-Document Summarization Datasets

Dataset Name	Creation	Target Summary	# Source Docs	Context Length	Summary Length
Multi-LexSum	<i>Expert Authored</i>	<i>Multi-Granularity</i>	8.8	75k	25 / 130 / 647
Multi-News	<i>Expert Authored</i>	<i>Single-Target</i>	2.8	2k	264
Multi-XScience	<i>Automatic Extraction</i>	<i>Single-Target</i>	5.1	0.8k	120
MS²	<i>Automatic Extraction</i>	<i>Single-Target</i>	24.0	7k	65

OUTLINE

I. MOTIVATION

II. CREATION

III. COMPARISON

IV. EXPERIMENTS

MULTI-LEXSUM

EXPERIMENTS

Design · Results

EXPERIMENTS

Design · Results



A list of source documents



The long, short, or tiny case summary

EXPERIMENTS

Design · Results



A list of source documents



The long, short, or tiny case summary



Progressive Summarization

Source → Long → Short → Tiny



EXPERIMENTS

Design · Results

Source → *Long* → *Short*



Input	Output	Rouge-1 F1	Rouge-2 F1	Rouge-L F1
 Only source documents		43.55	19.98	29.84
 Long Summary		56.04	37.02	44.16
 + 		54.99	36.42	43.44
 +  Model Generated*		41.41	18.42	27.53

* It's generated from source to long using the BART model trained on the corresponding data in Multi-LexSum.

EXPERIMENTS

Design · Results

Source → Long → Short



Input	Output	Rouge-1 F1	Rouge-2 F1	Rouge-L F1
 Only source documents		43.55	19.98	29.84
 Long Summary		56.04	37.02	44.16
 + 		54.99	36.42	43.44
 +  Model Generated*		41.41	18.42	27.53

Having the intermediate summary significantly improves model performance

EXPERIMENTS

Design · Results

Source → Long → Short



Input	Output	Rouge-1 F1	Rouge-2 F1	Rouge-L F1
 Only source documents		43.55	19.98	29.84
 Long Summary		56.04	37.02	44.16
 + 		54.99	36.42	43.44
 +  Model Generated*		41.41	18.42	27.53

Having the intermediate summary significantly improves model performance

The extra source document context might not help.

EXPERIMENTS

Design · Results

Source → Long → Short



Input	Output	Rouge-1 F1	Rouge-2 F1	Rouge-L F1
 Only source documents		43.55	19.98	29.84
 Long Summary		56.04	37.02	44.16
 + 		54.99	36.42	43.44
 +  Model Generated*		41.41	18.42	27.53

Having the intermediate summary significantly improves model performance

The extra source document context might not help.

Providing imperfect longer summaries → much worse shorter summary

EXPERIMENTS

Design · Results



Multi-Granularity Summarization

Source \rightarrow L,S,T



Long \rightarrow S,T



EXPERIMENTS

Design · Results

Multi-Granularity Summarization

Train a single model (e.g., BART), using different prompts

 + Prompt: “summary: long” → 

 + Prompt: “summary: short” → 

 + Prompt: “summary: tiny” → 

EXPERIMENTS

Design · Results

Target Summary	Method	Rouge-1 F1	Rouge-2 F1	Rouge-L F1
	Single Task	40.79	20.01	25.36
	Multi-Granularity	47.89	23.24	28.31
	Single Task	43.35	19.91	29.99
	Multi-Granularity	43.80	20.14	29.89
	Single Task	22.61	7.09	18.44
	Multi-Granularity	25.38	8.92	20.91

EXPERIMENTS

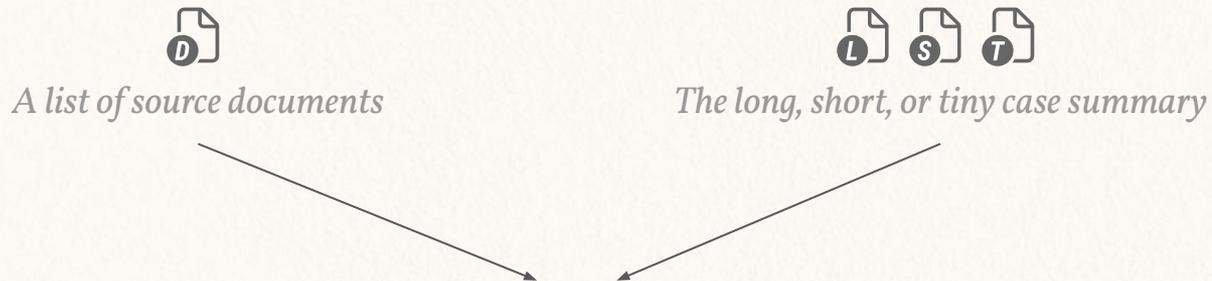
Design · Results

Target Summary	Method	Rouge-1 F1	Rouge-2 F1	Rouge-L F1
	Single Task	40.79	20.01	25.36
	Multi-Granularity	(+17.41%)	(+16.14%)	(+11.63%)
	Single Task	43.35	19.91	29.99
	Multi-Granularity	(+1.04%)	(+1.16%)	(-0.33%)
	Single Task	22.61	7.09	18.44
	Multi-Granularity	(12.25%)	(+25.81%)	(+13.39%)

Multi-Granularity training → significant improvements to long / tiny summary generation.

EXPERIMENTS

Design · Results



I. Multi-Doc Summarization

Source → Long



Source → Short



Source → Tiny



EXPERIMENTS

Design · Results



Model Name	Input Length						
		Rouge-2 F1	Pred Words	Rouge-2 F1	Pred Words	Rouge-2 F1	Pred Words
PEGASUS	1,024	20.01	203.8	19.91	94.6	7.09	22.3
BART	1,024	23.78	351.3	19.98	114.0	8.19	21.7
LED	4,096	24.13	295.0	21.00	103.1	8.92	22.4
LED	16,384	25.17	310.1	22.08	108.0	9.84	21.5
PRIMERA	4,096	27.32	416.3	21.04	110.2	9.26	27.9

EXPERIMENTS

Design · Results



Model Name	Input Length						
		Rouge-2 F1	Pred Words	Rouge-2 F1	Pred Words	Rouge-2 F1	Pred Words
PEGASUS	1,024	20.01	203.8	19.91	94.6	7.09	22.3
BART	1,024	23.78	351.3	19.98	114.0	8.19	21.7
LED	4,096	24.13	295.0	21.00	103.1	8.92	22.4
LED	16,384	25.17	310.1	22.08	108.0	9.84	21.5
PRIMERA	4,096	27.32	416.3	21.04	110.2	9.26	27.9

EXPERIMENTS

Design · Results



Model Name	Input Length	Rouge-2 F1	Pred Words	Rouge-2 F1	Pred Words	Rouge-2 F1	Pred Words
PEGASUS	1,024	20.01	203.8	19.91	94.6	7.09	22.3
BART	1,024	23.78	351.3	19.98	114.0	8.19	21.7
LED	4,096	24.13	295.0	21.00	103.1	8.92	22.4
LED	16,384	25.17	310.1	22.08	108.0	9.84	21.5
PRIMERA	4,096	27.32	416.3	21.04	110.2	9.26	27.9

Longer input context
improve performance.

EXPERIMENTS

Design · Results

Model Name	Input Length						
		Rouge-2 F1	Pred Words	Rouge-2 F1	Pred Words	Rouge-2 F1	Pred Words
PEGASUS	1,024	20.01	203.8	19.91	94.6	7.09	22.3
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LED	4,096	24.13	295.0	21.00	103.1	8.92	22.4
LED	16,384	25.17	310.1	22.08	108.0	9.84	21.5
PRIMERA	4,096	27.32	416.3	21.04	110.2	9.26	27.9

Longer input context
improve performance.

Task-specific training →
better summary quality.

EXPERIMENTS

Design · Results

Model Name	Input Length	 → 		 → 		 → 	
		Rouge-2 F1	Pred Words	Rouge-2 F1	Pred Words	Rouge-2 F1	Pred Words
PEGASUS	1,024	20.01	203.8	19.91	94.6	7.09	22.3
BART	1,024	23.78	351.3	19.98	114.0	8.19	21.7
LED	4,096	24.13	295.0	21.00	103.1	8.92	22.4
LED	16,384	25.17	310.1	22.08	108.0	9.84	21.5
PRIMERA	4,096	27.32	416.3	21.04	110.2	9.26	27.9
Reference Summary Length			646.5			130.2	24.7

Longer input context
improve performance.

Task-specific training →
better summary quality.

Fail to generate summaries
of compatible length.

HUMAN EVALUATION

Initial Feedback • Design • Results

HUMAN EVALUATION

Initial Feedback • Design • Results

End-to-end summarization models hallucinate a lot

Generated Summary

On September 29, 2004, the Los Angeles District Office of the EEOC filed this lawsuit against Gold River Operating Corporation and Columbia Sussex Corporation in the U.S. District Court for the District of Nevada alleging discrimination on the basis of sex, **female**, in violation of Title VII of the Civil Rights Act of 1964. Specifically, the complaint alleged that the defendants subjected the charging party, a female employee, to a **sexually hostile work environment and retaliated** against her when she complained about the harassment. **Following some discovery**, the parties settled the lawsuit through a consent decree on **May 6, 2008**.

The **two-year decree, containing non-discrimination and non-retaliation clauses**, required the defendants to: post a notice of compliance with Title VII, provide Title VII training for all employees, and pay **\$1,000,000** to be distributed among four individuals. The docket sheet **does not show any further enforcement took place**; the case was presumably closed in **2009**.

Red highlights – Factually Incorrect

Blue highlights – Unsupported claims

HUMAN EVALUATION

Initial Feedback • Design • Results

End-to-end summarization
models hallucinate a lot

**Models are not good
at legal reasoning**

Source

Explains the reason why defendants want to dismiss the case

“A court loses jurisdiction over a case when it becomes moot.” Kuntze v. Josh Enters., 365 F. Supp. 3d 630, 639-640 (E.D. Va. 2019) (quoting Williams v. Ozmint, 716 F.3d 801, 809 (4th Cir. 2013)). The mootness doctrine arises from the “case and controversy” requirement of the United States Constitution. U.S. Const, art. III, § 2 “[A] case is moot when the issues presented are no longer “live’ or the parties lack a legally cognizable interest in the outcome.” Kuntze, 365 F. Supp. at 640 (quoting Simmons v. United Mortg. And Loan Inv., LLC, 634 F.3d 754, 763 (4th Cir. 2011)). This case is moot for two reasons. There is no longer any justiciable controversy in this case, as this Court has granted the relief originally requested by the plaintiff, and there is further no additional relief available to plaintiff...

Document:

Generated Summary:

The plaintiff filed a motion to dismiss the case on January 3, 2019, arguing that the Virginia Board of Elections violated the First and Fourteenth Amendments to the U.S. Constitution by failing to state a claim under the Due Process and Equal Protection Clauses of the Fourteenth Amendment.

HUMAN EVALUATION

Initial Feedback • Design • Results

End-to-end summarization models hallucinate a lot

Models are not good at legal reasoning

Source

Explains the reason why defendants want to dismiss the case

“A court loses jurisdiction over a case when it becomes moot.” Kuntze v. Josh Enters., 365 F. Supp. 3d 630, 639-640 (E.D. Va. 2019) (quoting Williams v. Ozmint, 716 F.3d 801, 809 (4th Cir. 2013)). The mootness doctrine arises from the “case and controversy” requirement of the United States Constitution. U.S. Const, art. III, § 2 “[A] case is moot when the issues presented are no longer “live’ or the parties lack a legally cognizable interest in the outcome.” Kuntze, 365 F. Supp. at 640 (quoting Simmons v. United Mortg. And Loan Inv., LLC, 634 F.3d 754, 763 (4th Cir. 2011)). This case is moot for two reasons. There is no longer any justiciable controversy in this case, as this Court has granted the relief originally requested by the plaintiff, and there is further no additional relief available to plaintiff...

Document:

Generated Summary:

The plaintiff filed a motion to dismiss the case on January 3, 2019, arguing that the Virginia Board of Elections violated the First and Fourteenth Amendments to the U.S. Constitution by failing to state a claim under the Due Process and Equal Protection Clauses of the Fourteenth Amendment.

HUMAN EVALUATION

Initial Feedback • Design • Results

Shorter Generation Targets

Models generate the summary paragraphs separately

User-provided Salient Text

Enable user providing salient document text for summary generation

Real Workflow

Make sure the demo is easy to learn and stimulates writers' real need

HUMAN EVALUATION

Initial Feedback • Design • Results

<input type="checkbox"/>	# ref_num...	date_filed	docket_text	types
<input checked="" type="checkbox"/>	1	August 17, 2021 4:00 AM (UTC)	COMPLAINT. Filing fee received: \$ 402.00, receipt number 0970-19771685 filed by Eric M Reuss, Paul A Isaacson, National Council of Jewish Women (Arizona Section) Incorporated, Arizona National Organization For Women, Arizona Medical Association. (Lopez, Victoria) (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit)(JAM) (Entered: 08/17/2021)	COMPLAINT
<input type="checkbox"/>	2	August 17, 2021 4:00 AM (UTC)	Corporate Disclosure Statement by Arizona Medical Association. (JAM) (Entered: 08/17/2021)	JAM
<input type="checkbox"/>	3	August 17, 2021 4:00 AM (UTC)	Corporate Disclosure Statement by Arizona National Organization For Women. (JAM) (Entered: 08/17/2021)	JAM
<input type="checkbox"/>	4	August 17, 2021 4:00 AM (UTC)	Corporate Disclosure Statement by National Council of Jewish Women (Arizona Section) Incorporated. (JAM) (Entered: 08/17/2021)	JAM
<input type="checkbox"/>	5	August 17, 2021 4:00 AM (UTC)	Filing fee paid, receipt number 0970-19771685. This case has been assigned to the Honorable Douglas L Rayes. All future pleadings or documents should bear the correct case number: CV-21-1417-PHX-DLR. Notice of Availability of Magistrate Judge to Exercise Jurisdiction form attached. (JAM) (Entered: 08/17/2021)	CV
<input type="checkbox"/>	6	August 17, 2021 4:00 AM (UTC)	MOTION for Leave to File Excess Pages for Motion for Preliminary Injunction and Memorandum of Points and Authorities in Support by Arizona Medical Association, Arizona National Organization For	MOTION

① Docket entry → overview of a source document

② Check the box when the referred doc is relevant

(a) Docket Reading & Important Entry Selection

(b) Summary Outlining and Content Grouping

(c) Source Document Reading and Extraction

(d) Summary Selection, Rating, and Editing

HUMAN EVALUATION

Initial Feedback • Design • Results

The screenshot shows a court docket for the case **Isaacson v. Brnovich**. The interface includes a top navigation bar with view options (Default view, Board, Table, Add view), search filters (Filter, Sort, Q), and a 'New' button. The docket is organized into three columns: 'Complaint and Motion for Prelim Injur' (2 items), 'Appeal - Defendants' (3 items), and 'Appeal - Plaintiffs' (3 items). Two red annotations are present: a circled '1' highlights the first entry in the 'Complaint and Motion for Prelim Injur' column, and a circled '2' highlights the second entry in the same column. The first entry is a 'COMPLAINT' filed by Eric M Reuss, Paul A Isaacson, National Council of Jewish Women (Arizona Section) Incorporated, Arizona National Organization For Women, Arizona Medical Association. The second entry is a 'MOTION' for Preliminary Injunction by Mark Brnovich.

Isaacson v. Brnovich

Default view Board Table + Add view Filter Sort Q ... New

1 Complaint and Motion for Prelim Injur 2

COMPLAINT. Filing fee received: \$ 402.00, receipt number 0970-19771685 filed by Eric M Reuss, Paul A Isaacson, National Council of Jewish Women (Arizona Section) Incorporated, Arizona National Organization For Women, Arizona Medical Association. (Lopez, Victoria) (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit)(JAM) (Entered: 08/17/2021)

1

COMPLAINT

<https://www.courtlistener.com/docket/60188590/1/isaacson-v-brnovich/>

August 17, 2021 4:00 AM (UTC)

MOTION for Preliminary Injunction by Arizona Medical Association, Arizona National Organization For Women, Paul A Isaacson, National Council of Jewish Women (Arizona Section) Incorporated, Eric M Reuss. (Attachments: # 1 Exhibit List, # 2 Exhibit 1-6, # 3 Proposed Order)(WLP) (Entered: 08/17/2021)

10

MOTION

<https://www.courtlistener.com/docket/60188590/10/isaacson-v-brnovich/>

August 17, 2021 4:00 AM (UTC)

2

Appeal - Defendants 3

NOTICE OF APPEAL to 9th Circuit Court of Appeals re: 52 Order on Motion for Preliminary Injunction by Mark Brnovich. Filing fee received: \$ 505.00, receipt number 0970-19933106. (Catlett, Michael) (Entered: 10/04/2021)

56

NOTICE

<https://www.courtlistener.com/docket/60188590/56/isaacson-v-brnovich/>

October 4, 2021 4:00 AM (UTC)

Emergency MOTION to Stay re: 52 Order on Motion for Preliminary Injunction by Mark Brnovich. (Catlett, Michael) (Entered: 10/05/2021)

57

MOTION

<https://www.courtlistener.com/docket/60188590/57/isaacson-v-brnovich/>

October 5, 2021 4:00 AM (UTC)

USCA Case Number re: 56 Notice of Appeal. Case number 21-16645, Ninth Circuit. (KAH) (Entered: 10/07/2021)

59

USCA

<https://www.courtlistener.com/docket/60188590/59/isaacson-v-brnovich/>

Appeal - Plaintiffs

*NOTICE OF INTERVIEW to 9th Circuit Court of Appeals re: Motion for Preliminary Injunction by Mark Brnovich. (Lopez, Victoria) (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit)(JAM) (Entered: 10/04/2021)

65

NOTICE

<https://www.courtlistener.com/docket/60188590/65/isaacson-v-brnovich/>

October 18, 2021 4:00 AM (UTC)

ORDER denying 57 Appeal. See document signed by Judge DeWitt. (RMV) (Entered: 10/18/2021)

66

ORDER

<https://www.courtlistener.com/docket/60188590/66/isaacson-v-brnovich/>

October 18, 2021 4:00 AM (UTC)

USCA Case Number re: 56 Notice of Appeal. Case number 21-16645, Ninth Circuit. (KAH) (Entered: 10/07/2021)

67

USCA

<https://www.courtlistener.com/docket/60188590/67/isaacson-v-brnovich/>

① Outline of the summary
→ paragraphs and gists

② Relevant source docs for
the paragraph

(a) Docket Reading &
Important Entry Selection

(b) Summary Outlining
and Content Grouping

(c) Source Document
Reading and Extraction

(d) Summary Selection,
Rating, and Editing

HUMAN EVALUATION

Initial Feedback • Design • Results

The screenshot shows the 'Legal Case Summarizer' interface. At the top, there is a logo and the title 'Legal Case Summarizer', with 'Home' and 'Docs' links. The main heading is 'Summarizing: Complaint and Motion for Prelim Injunction'. Below this, there are two sections highlighted with red boxes and numbered circles:

- 1** A section titled 'Docket Rows' containing a list of two items:
 - COMPLAINT. Filing fee received: \$ 402.00, receipt number 0970-19771685 filed by Eric M Reuss, Paul A Isaacson, National Council of Jewish Women (Arizona Section) Incorporated, Arizona National Organization For Women, Arizona Medical Association. (Lopez, Victoria) (Attachments: # 1 Civil Cover Sheet, # 2 Exhibit)(JAM) (Entered: 08/17/2021)
 - MOTION for Preliminary Injunction by Arizona Medical Association, Arizona National Organization For Women, Paul A Isaacson, National Council of Jewish Women (Arizona Section) Incorporated, Eric M Reuss. (Attachments: # 1 Exhibit List, # 2 Exhibit 1-6, # 3 Proposed Order)(WLP) (Entered: 08/17/2021)
- 2** A section titled 'External Doc 1' containing:
 - * File URL:
 - * Relevant Text:

At the bottom of the 'External Doc 1' section, there are controls: 'Add/Remove External Documents' with plus and minus icons, and 'Regenerate Summary' with a refresh icon.

① The selected documents for the paragraph

② Adding salient texts from source docs

(a) Docket Reading & Important Entry Selection

(b) Summary Outlining and Content Grouping

(c) Source Document Reading and Extraction

(d) Summary Selection, Rating, and Editing

HUMAN EVALUATION

Initial Feedback • Design • Results

The screenshot shows the 'Legal Case Summarizer' web application. At the top, there is a navigation bar with 'Home' and 'Docs' links. The main content area is titled 'Summary Writing' and contains three key interaction points:

- 1**: A section titled '* Select Generated Summary:' with two buttons, 'Model A' and 'Model B', highlighted by a red box.
- 2**: A section titled '* Rate Generation Quality:' featuring a 4-point horizontal scale from 'Bad' to 'Perfect', with a slider positioned between 'Somewhat Helpful' and 'Very Helpful', highlighted by a red box.
- 3**: A section titled '* Edit the Summary:' containing a text area with a generated summary snippet, highlighted by a red box.

Below the text area, there is a section titled 'Summarizing: Appeal - Defendants' with a 'Docket Rows' header and a list of legal entries, including one for 'NOTICE OF APPEAL to 9th Circuit Court of Appeals re: 52 Order on Motion for Preliminary Injunction by Mark Brnovich'.

- ① Select between BART / DistilBART generations
- ② 4-scale ratings of the best (selected) summary
- ③ Expert editing the generated summary

(a) Docket Reading & Important Entry Selection

(b) Summary Outlining and Content Grouping

(c) Source Document Reading and Extraction

(d) Summary Selection, Rating, and Editing

HUMAN EVALUATION

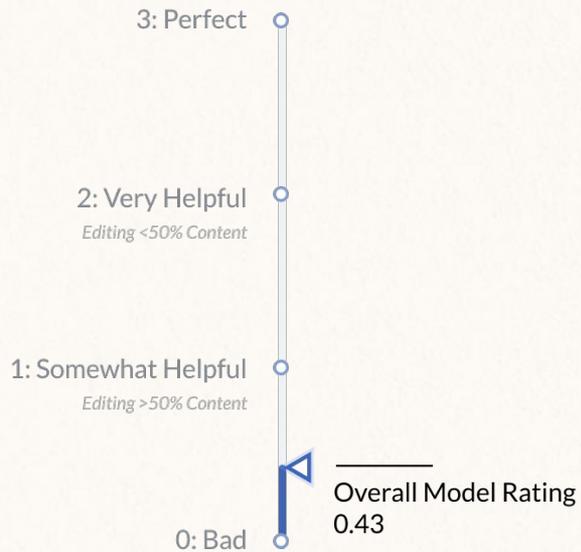
Initial Feedback • Design • Results

HUMAN EVALUATION

Initial Feedback • Design • Results

User Ratings

For the selected best generation



HUMAN EVALUATION

Initial Feedback • Design • Results

User Ratings

For the selected best generation



Summary Edits

How do writers modifies generated summaries

87 words / 76%
in a generated paragraph
has been edited

65% Longer
Writers extend the generated
summaries

HUMAN EVALUATION

Initial Feedback • Design • Results

User Ratings

For the selected best generation



Summary Edits

How do writers modifies generated summaries

87 words / 76%
in a generated paragraph
has been edited

65% Longer
Writers extend the generated
summaries

Automatic Metric

User-edited vs. model-generated version

Rouge-1 F1 45.6

Rouge-2 F1 30.0

Rouge-L F1 35.4

BERT Score 38.0

MULTI-LEXSUM

An Abstractive Summarization Dataset

Real-world

9.2k Summaries for 4.5k civil rights lawsuits in the US

Expert-written

Manually written by 500+ experts for 10+ years

Three granularities

Multi-paragraph, single-paragraph, or Tweet-like summaries

MULTI-LEXSUM

Try Multi-LexSum with 🙌 Datasets

```
from datasets import load_dataset

multi_lexsum = load_dataset(
    "allenai/multi_lexsum",
    name="v20220616")

example = multi_lexsum["validation"][0]

print(example["sources"])
# A list of source doc text for the case

for sum_len in ["long", "short", "tiny"]:
    print(example["summary/" + sum_len])
# Summaries of three lengths
```

Real-world Task

9.2k Summaries for 4.5k US Civil Rights Lawsuits

Expert-written Summaries

Manually written by 500+ experts for 10+ years

Three granularities

Long, short, tiny summaries for a legal case



Project Website

Expert-written Summary

"In September 2004, the Los Angeles District Office of the EEOC filed suit against Casino Columbia Sussex Corporation and Gold River Operating Corporation, both of whom were doing business as River Palms Resort, a casino/resort in Laughlin, Nevada. According to the complaint, which was filed in U.S. District Court for the District of Nevada, the casino subjected female employees to sexual harassment, violating Title VII of the Civil Rights Act, and attempted to force out the older female employees so that they could be replaced by younger, more attractive women, in violation of the Age Discrimination in Employment Act.

One of the female employees intervened as a plaintiff. In August of 2006, the EEOC moved for partial summary judgment, and the defendants moved to dismiss the case, alleging procedural irregularities in the EEOC's investigation. The EEOC's motion was granted in part and denied in part; the defendants' motion was dismissed.

A three-year consent decree was entered April 25, 2008. The settlement request pay \$200,000 to the plaintiff intervener and claimants (\$5000 to plaintiff intervenor, and \$195,000 to be divided among the claimants). It also enjoins defendants from discrimination and retaliation. Defendants must undertake training, must keep records of discrimination complaints, and must provide semi-annual reports to the EEOC. A month later, the parties jointly moved to dismiss all remaining claims with prejudice, except as to the consent decree enforcement. As no further activity is recorded, presumably this case closed in 2011. "

Model-generated Summary

On September 29, 2004, the Los Angeles District Office of the EEOC filed this lawsuit against Gold River Operating Corporation and Columbia Sussex Corporation in the U.S. District Court for the District of Nevada alleging discrimination on the basis of sex, female, in violation of Title VII of the Civil Rights Act of 1964. Specifically, the complaint alleged that the defendants subjected the charging party, a female employee, to a sexually hostile work environment and retaliated against her when she complained about the harassment. Following some discovery, the parties settled the lawsuit through a consent decree on May 6, 2008.

The two-year decree, containing non-discrimination and non-retaliation clauses, required the defendants to: post a notice of compliance with Title VII, provide Title VII training for all employees, and pay \$1,000,000 to be distributed among four individuals. The docket sheet does not show any further enforcement took place; the case was presumably closed in 2009.