

Research using the *USPTO's Trademark Case File Dataset*

Stuart Graham
Georgia Tech & USPTO

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The USPTO Trademark Case Files Dataset: Descriptions, Lessons, and Insights



Stuart Graham, Galen Hancock, Alan Marco, Amanda Fila Myers

United States Patent and Trademark Office
An agency of the Department of Commerce
Alexandria, VA, USA

Available at: <http://ssrn.com/abstract=2188621>

Motivation

- Data as precondition / facilitator of research
 - E.g., NBER Patent Citation Database, HJT, (2001)
- Support for embryonic field of TM study
 - Pillar of the USPTO economics research agenda
- Responsibility of government
 - Transparency
 - Data as a public good = underprovided
- Obama Administration information initiatives
 - E.g., data.gov umbrella

Brief Backgrounder

- Trademark
 - “a word, phrase, symbol, design, color, smell, sound, or combination thereof that identifies and distinguishes the goods and services of one party from those of others.” 15 U.S.C. § 1127.
- Bases
 - State common law
 - US federal register
 - Since 1881, modern Lanham Act dates from 1946
 - Benefit of prima facie evidence of ownership and exclusive right to use the mark on goods specified
- Represents the goodwill an enterprise and its goods and services maintain with the public.
 - Consumers rely on trademarks to reduce search costs, to distinguish among competing producers, and as guarantees of product quality.



Prior, ongoing research using TM data:

Where's the action

- Economics / Management
 - Graevenitz / LMU
 - Complements
- NGOs
 - OECD, Millot
- Empirical legal studies
 - Beebe - NYU
- Marketing
 - Tucker – MIT / Krasnikov – GWU
- IP Offices
 - WIPO, Fink / OHIM, Wajzman / UK, Clayton / USPTO



USPTO Bulk Downloads: Trademarks

The following USPTO [trademark products](#) are available for free download.

[Trademark Registration Images \(1870 – present\)](#)

[Trademark Application Text \(1884 – present\)](#)

[Trademark Assignment Text \(1980 – present\)](#)

[Trademark Trial and Appeal Board Text \(1955 – present\)](#)

[Trademark Application Images \(2010 – present\)](#)

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Trademark Case Files

The Trademark Case Files Dataset contains detailed information on 6.7 million trademark applications filed with or registrations issued by the USPTO between January 1870 and January 2012. It is derived from the USPTO main database for administering trademarks and includes data on mark characteristics, prosecution events, ownership, classification, third-party oppositions, and renewal history.

A document describing these data is available here: "[The USPTO Trademark Case Files Dataset: Descriptions, Lessons, and Insights.](#)"

This document is also available as: Graham, S., Hancock, G., Marco, A. and Myers, A. (2013). "The USPTO Trademark Case Files Dataset: Descriptions, Lessons, and Insights." SSRN working paper, available at http://papers.ssrn.com/sol3/papers.cfm?abstract_id=2188621.

The OCE developed these data files for public use, and encourage users to identify fixes and improvements.

Please provide all feedback to: EconomicsData@uspto.gov

Documentation

Trademark Case Files Dataset Documentation

- Appendix I: [Variable Tables](#)
- Appendix II: Event description [[.dta format](#)] [[.csv format](#)]
- Appendix III: Madrid Event description [[.dta format](#)] [[.csv format](#)]

- [Appendix II: Event description](#) [.dta format] [.csv format]
- [Appendix III: Madrid Event description](#) [.dta format] [.csv format]

Data Files

A map of all data files can be found [here](#) (same as Appendix I).

Download full set of data files [\[.dta format\]](#) [\[.csv format\]](#)

Download individual data files:

- [case_file](#) [.dta format] [.csv format]
- [correspondent_domrep_attorney](#) [.dta format] [.csv format]
 - [event](#) [.dta format] [.csv format]
 - [owner](#) [.dta format] [.csv format]
 - [owner_name_change](#) [.dta format] [.csv format]
 - [classification](#) [.dta format] [.csv format]
 - [intl_class](#) [.dta format] [.csv format]
 - [us_class](#) [.dta format] [.csv format]
 - [statement](#) [.dta format] [.csv format]
 - [design_search](#) [.dta format] [.csv format]
 - [foreign_app](#) [.dta format] [.csv format]
 - [prior_mark](#) [.dta format] [.csv format]
 - [madrid_intl_file](#) [.dta format] [.csv format]
 - [madrid_event](#) [.dta format] [.csv format]

Additional Resources

- [Trademark Applications Documentation \(TAD\)](#)
- [Trademark Manuals, Guides, Official Gazette](#)



- » [Accessibility](#)
- » [Privacy Policy](#)
- » [Terms of Use](#)
- » [Security](#)
- » [Emergencies/Security Alerts](#)
- » [Information Quality Guidelines](#)

- » [Federal Activities Inventory Reform \(FAIR\) Act](#)
- » [Notification and Federal Employee Antidiscrimination and Retaliation \(NoFEAR\) Act](#)
- » [Budget & Performance](#)
- » [Freedom of Information Act \(FOIA\)](#)

- » [Department of Commerce NoFEAR Act Report](#)
- » [Regulations.gov](#)
- » [STOP!Fakes.gov](#)
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Figure 5: Trademark Case Files Dataset organizational structure

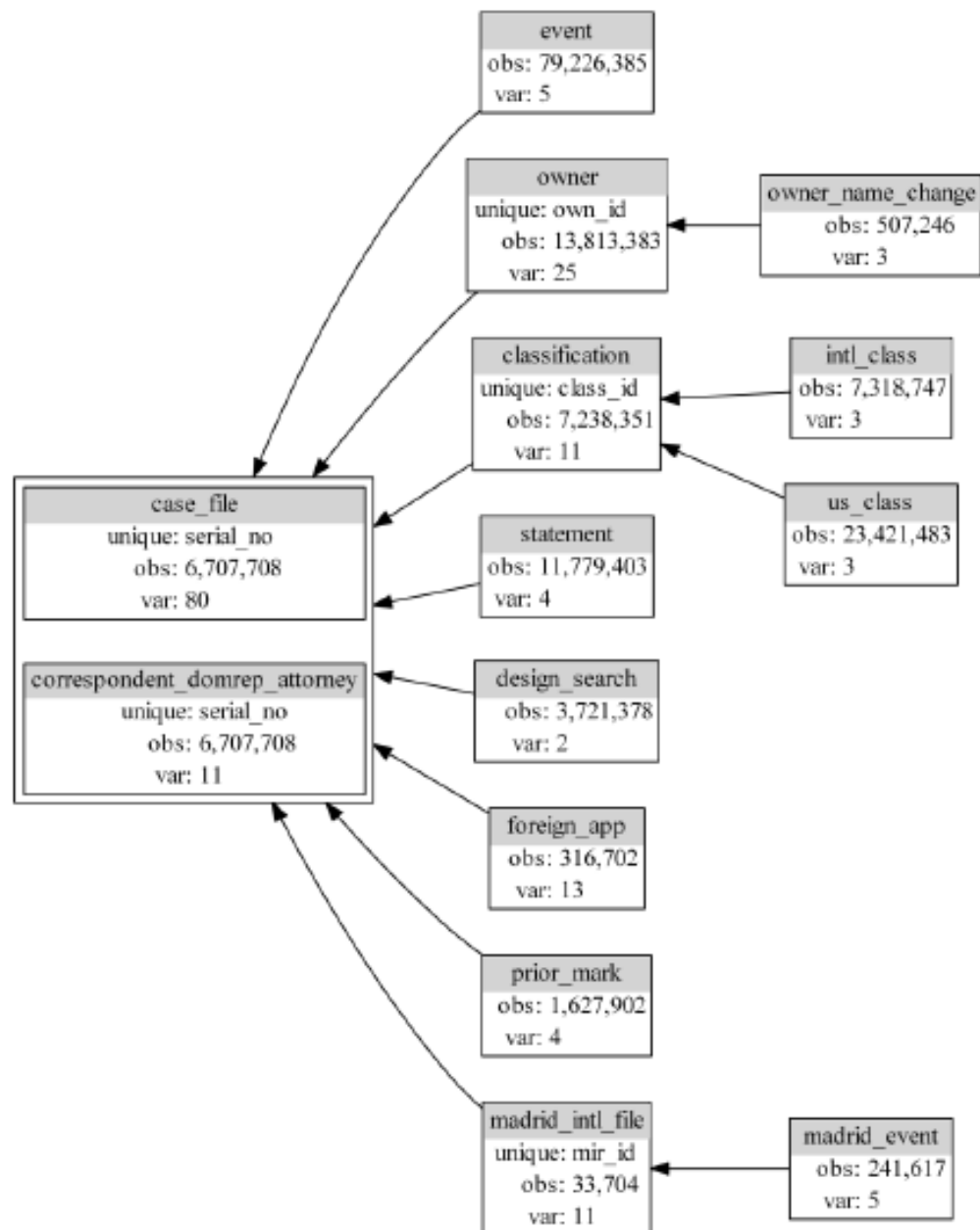
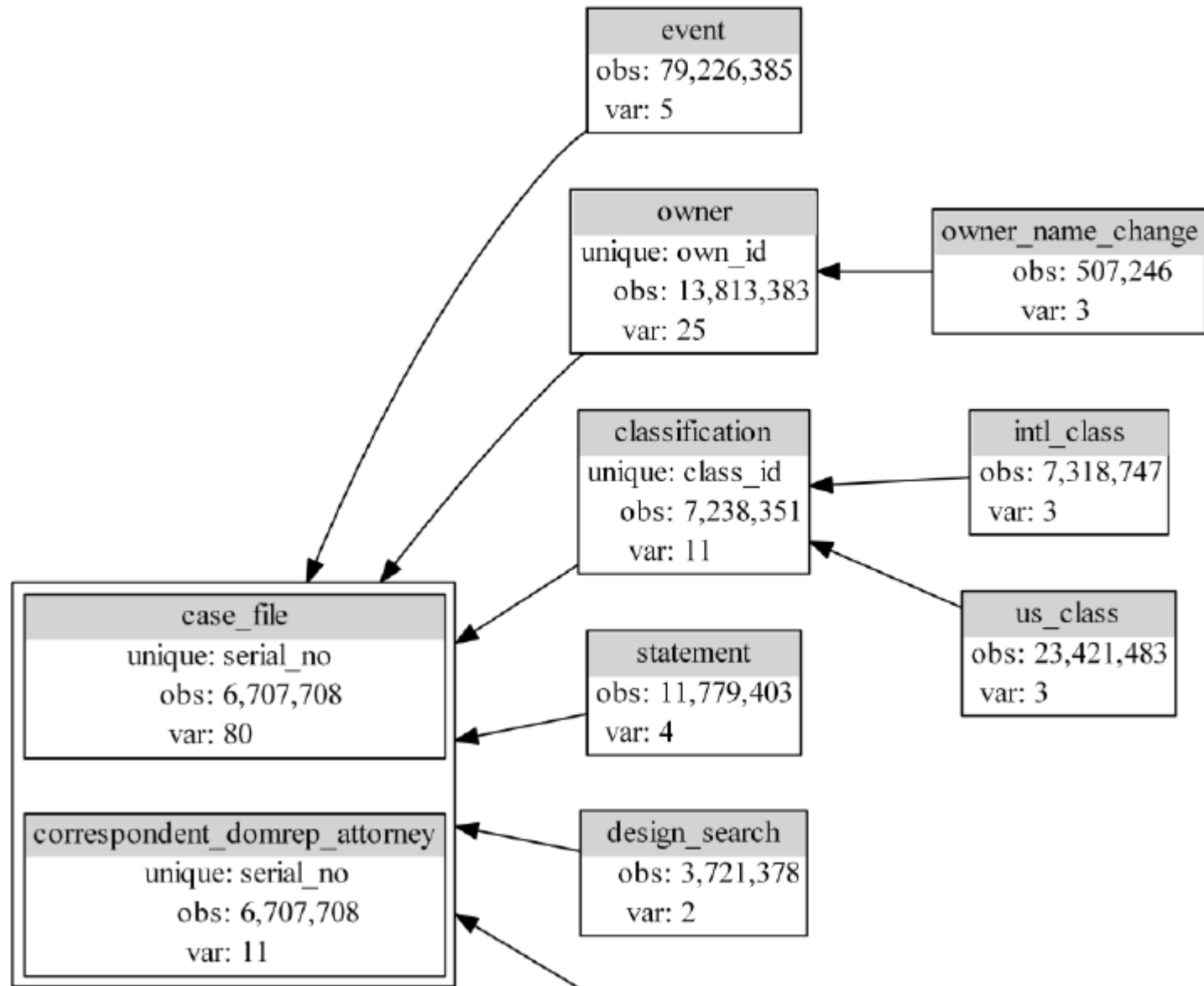
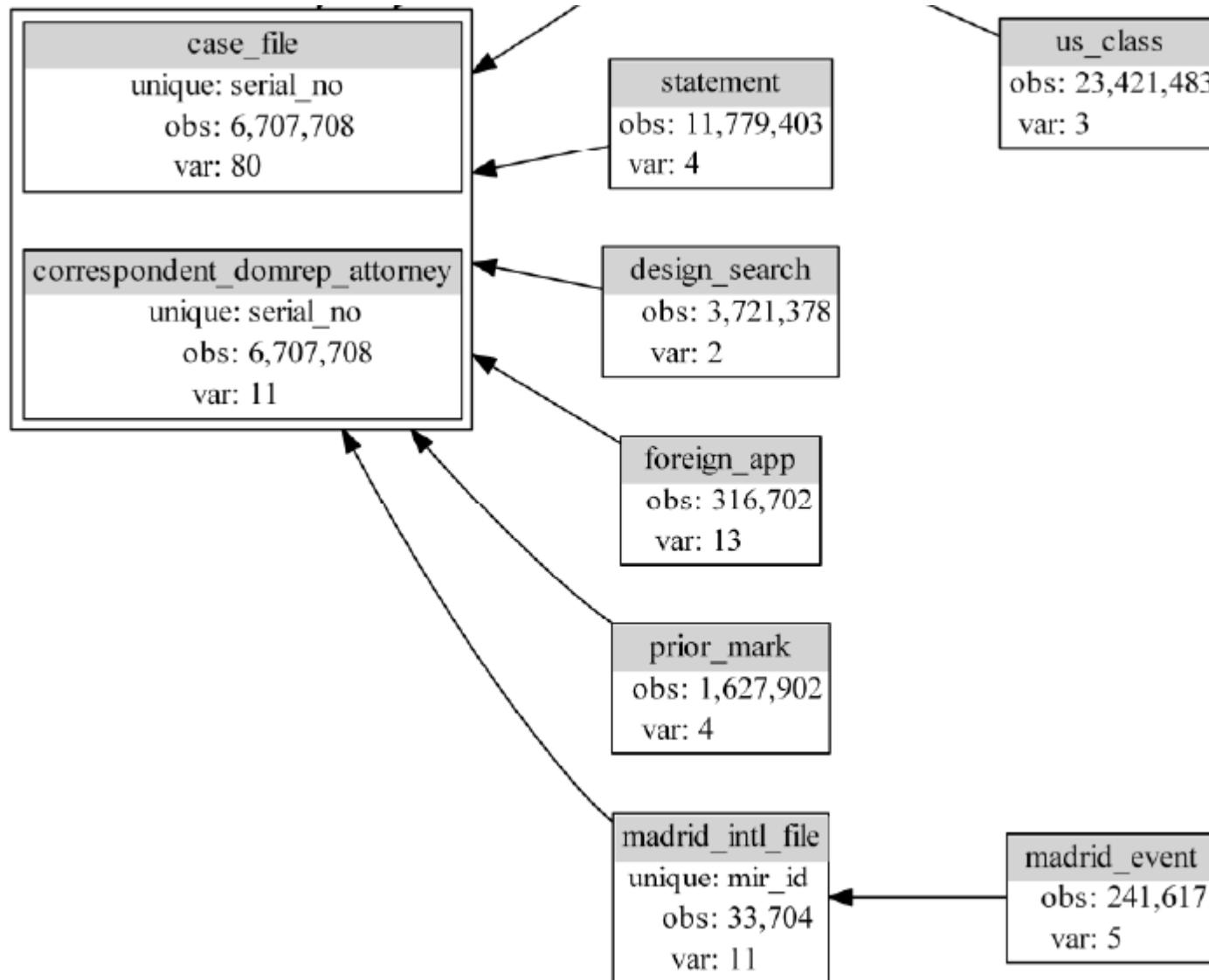
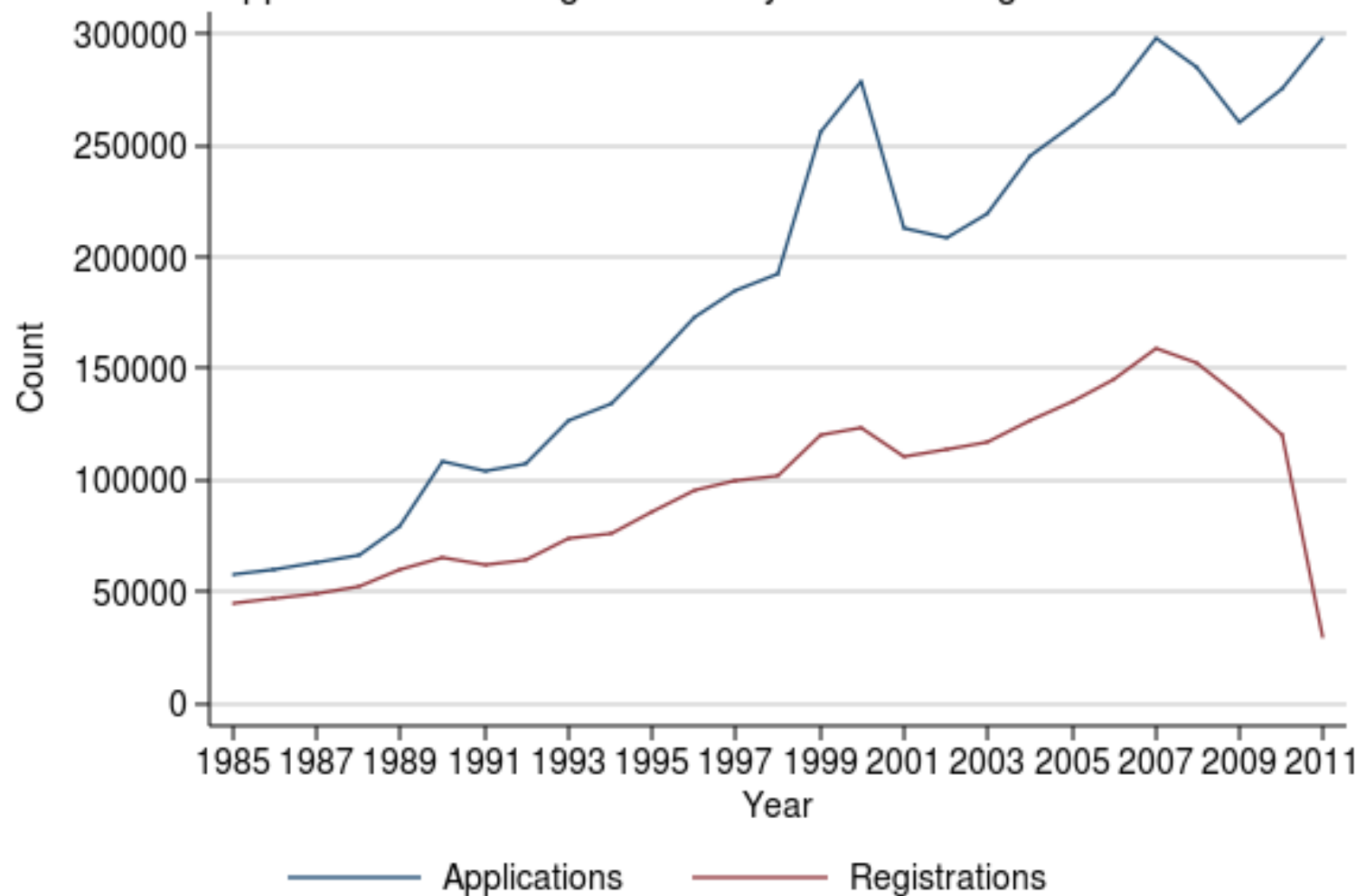


Figure 5: Trademark Case Files Dataset organizational structure

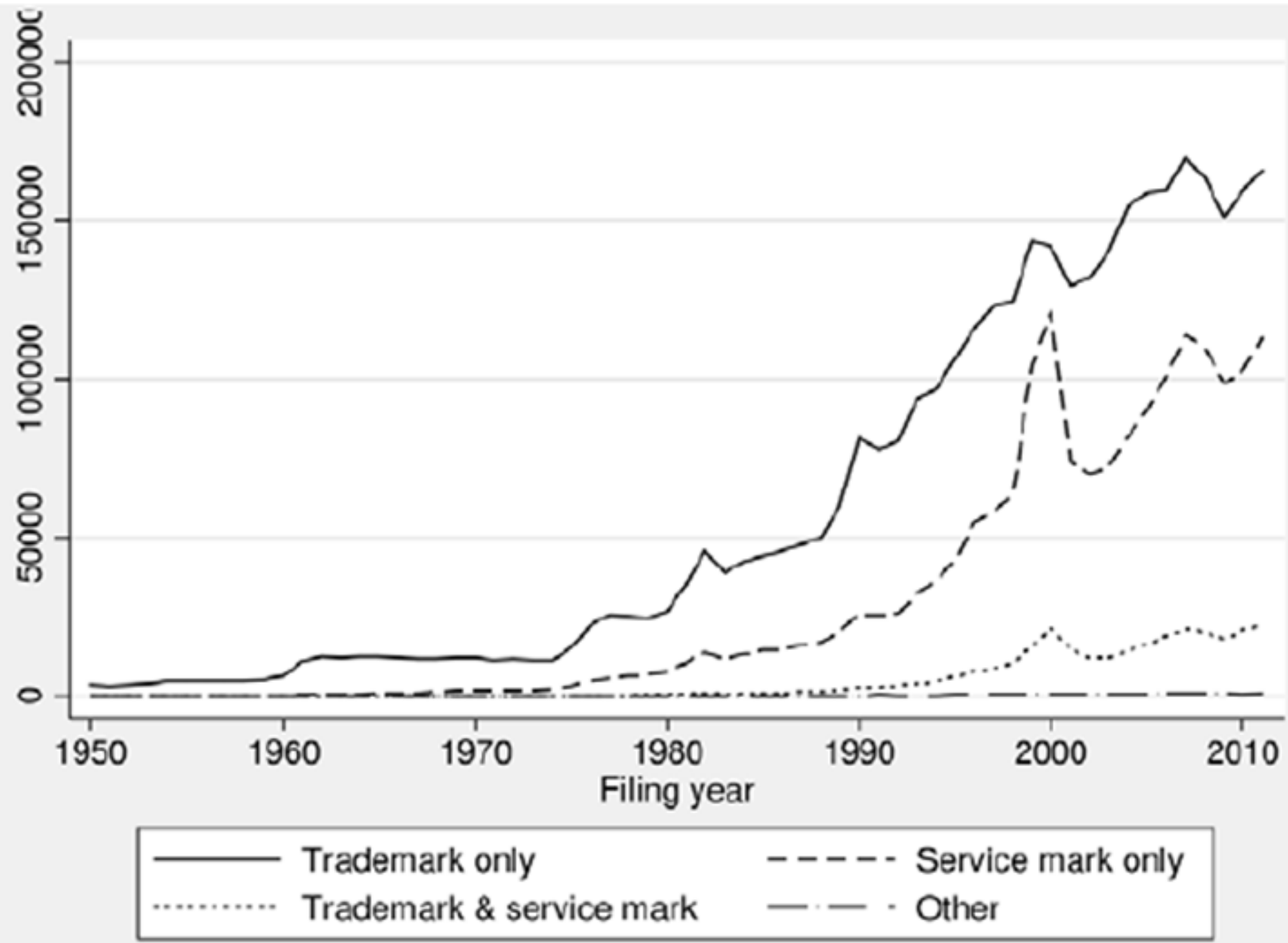




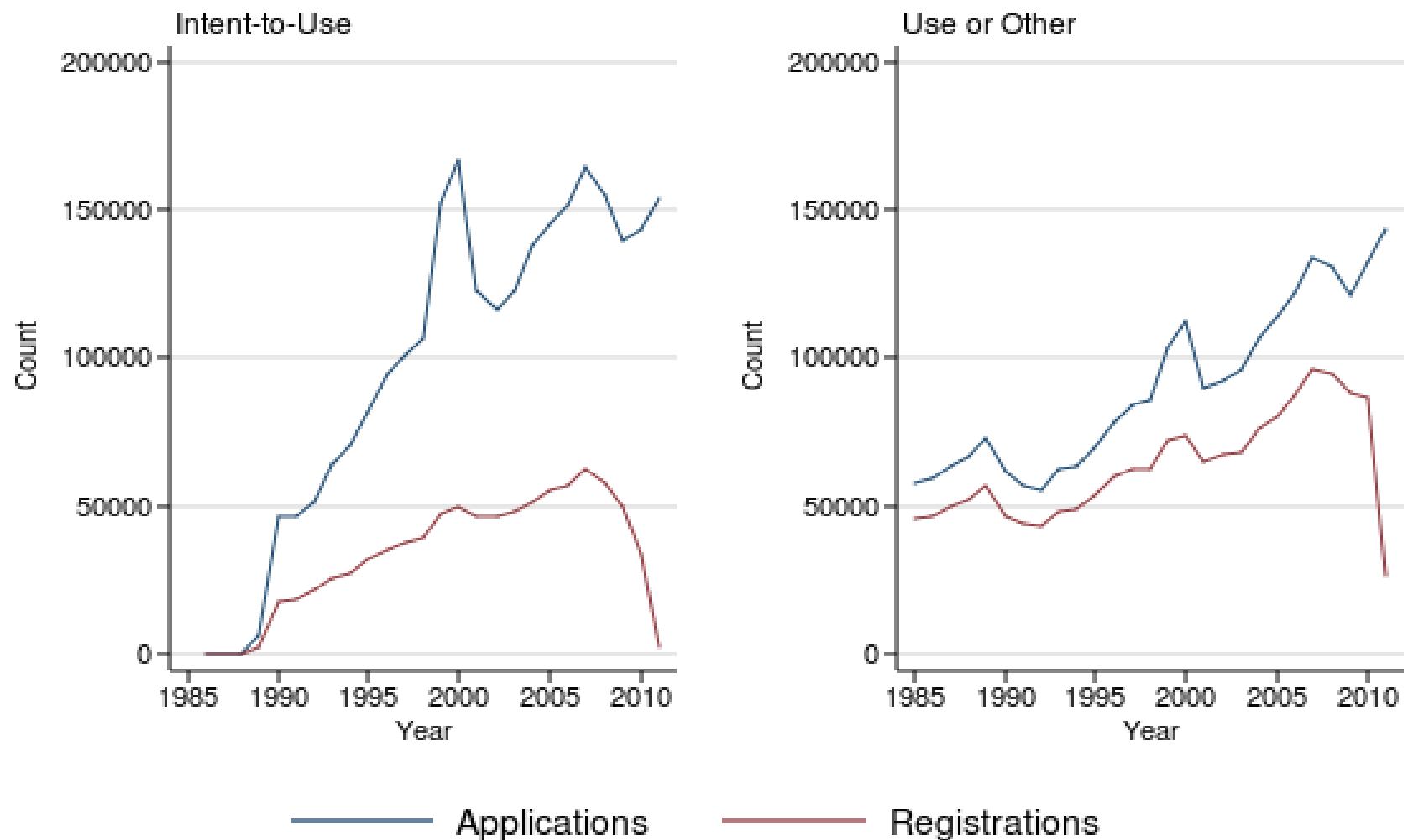
Applications and Registrations by Year of Filing at USPTO



Mark type by filing year

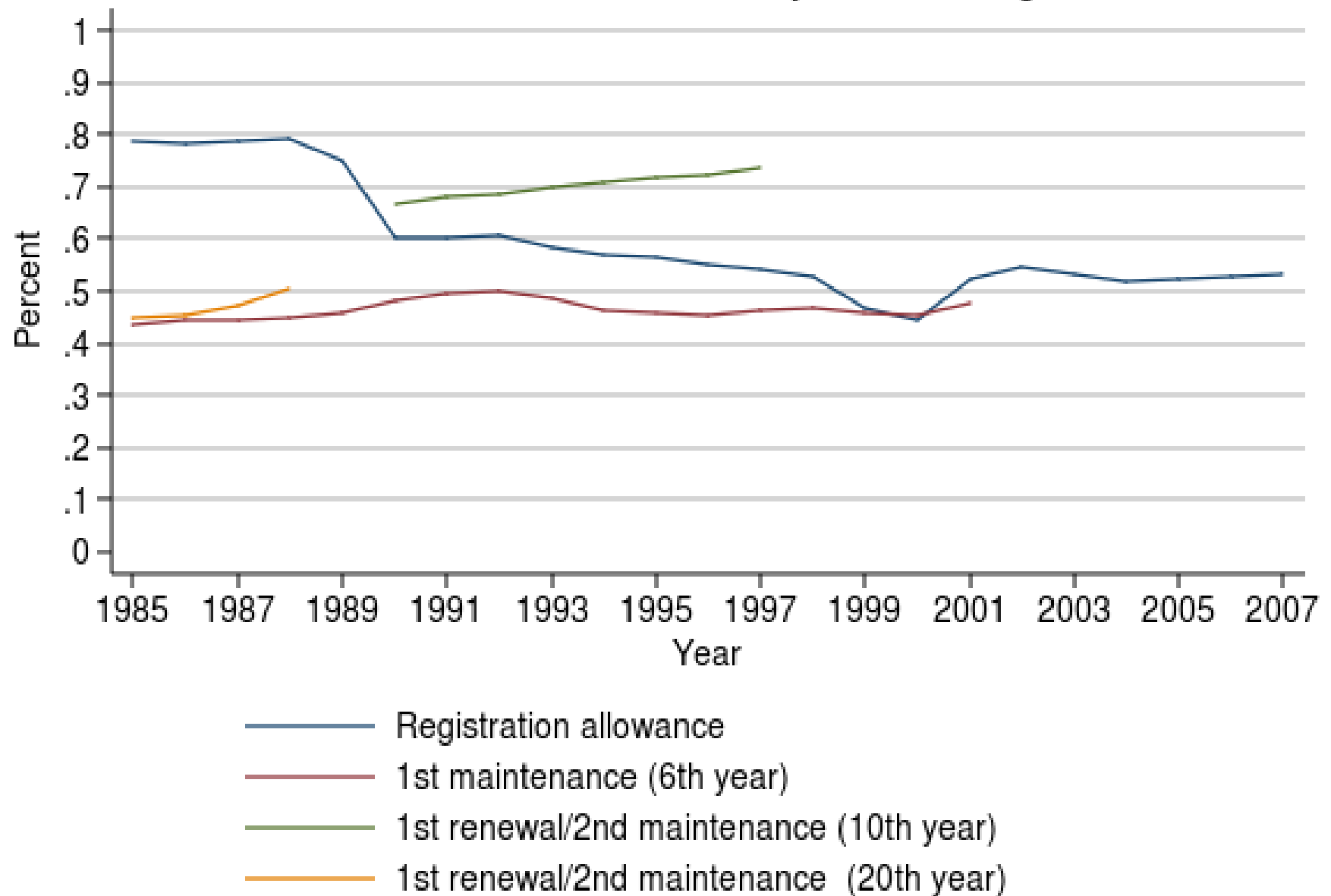


Applications and Registrations by Year of Filing at USPTO



Use or other includes all applications not filed solely on intended use legal basis

Allowance, Maintenance, and Renewal by Year of Filing at USPTO

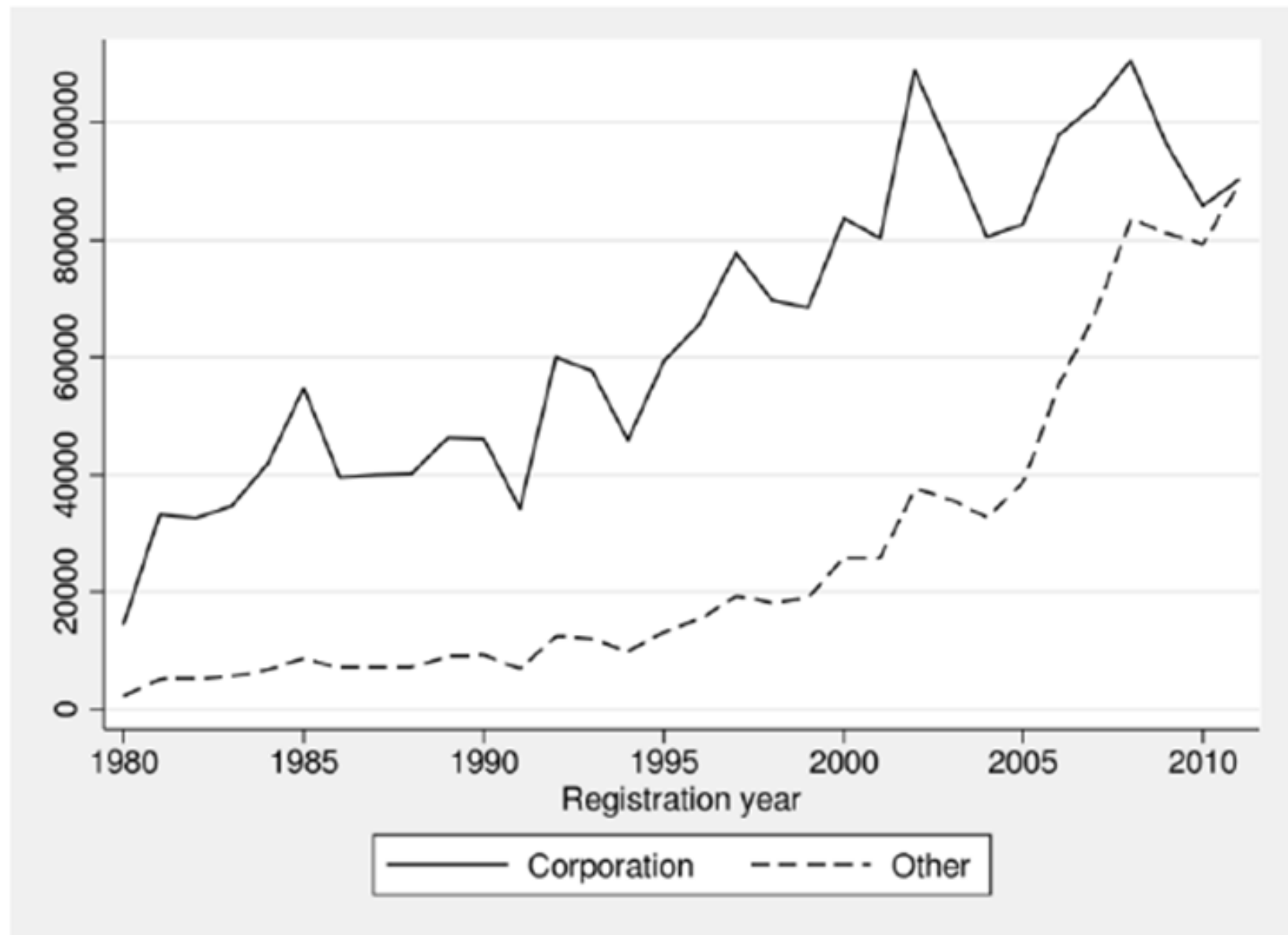


Observations per unique *serial number* in data file

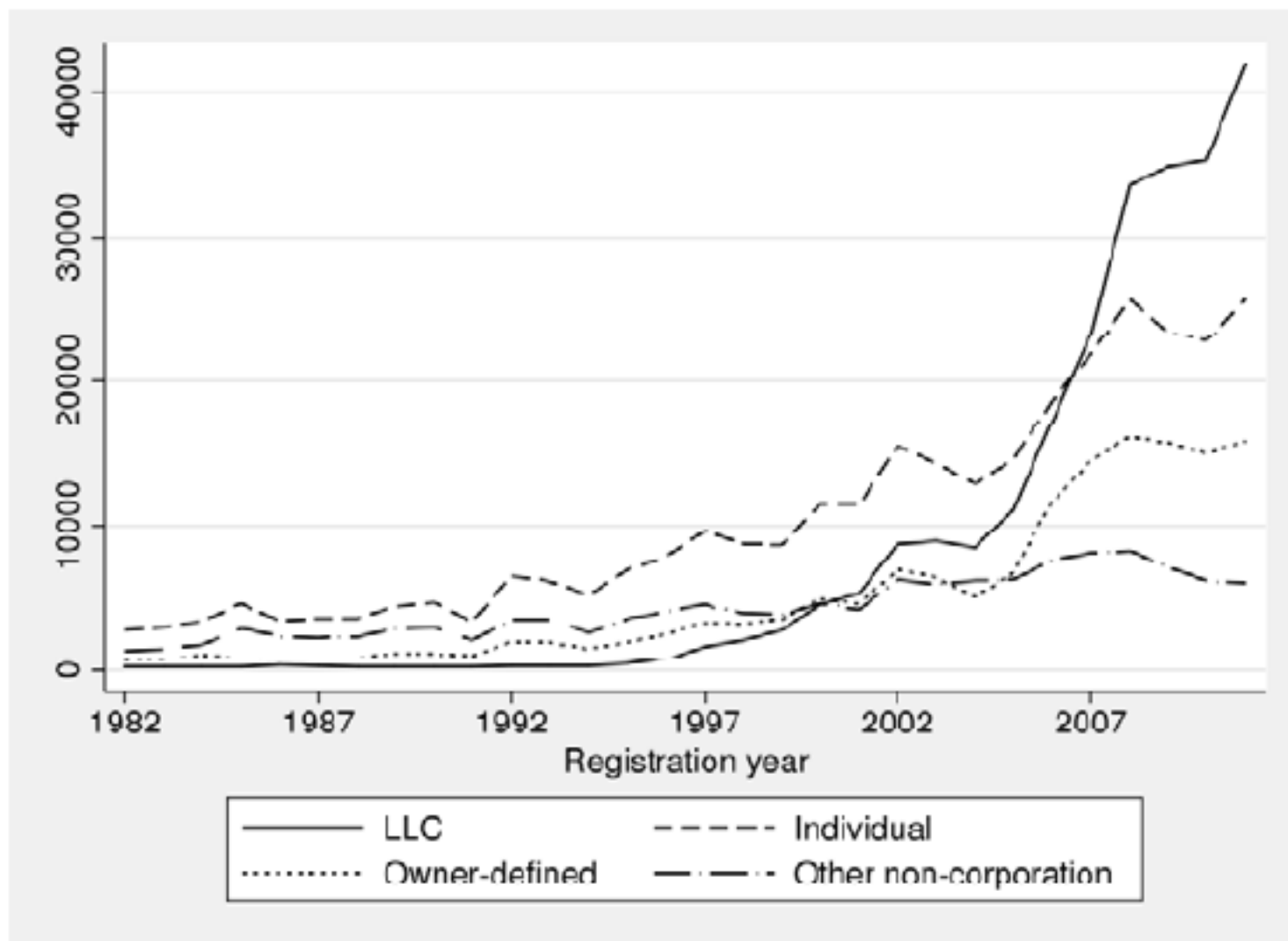
	(1)	(2)	(3)	(4)
		<i>per serial number</i> ¹		
Data file	count	mean	sd	median
event	79,226,385	13.475	9.075	12
owner	13,813,383	2.363	1.109	3
classification	7,238,351	1.237	0.833	1
statement	11,779,403	2.024	1.272	2
design_search	3,721,378	2.949	2.016	2
prior mark	1,627,902	2.101	2.260	2

1) Calculated only for unique *serial numbers* observable in each data file

Registrations by owner legal type and registration year



Registrations by (non-corporation) owner legal type and registration year

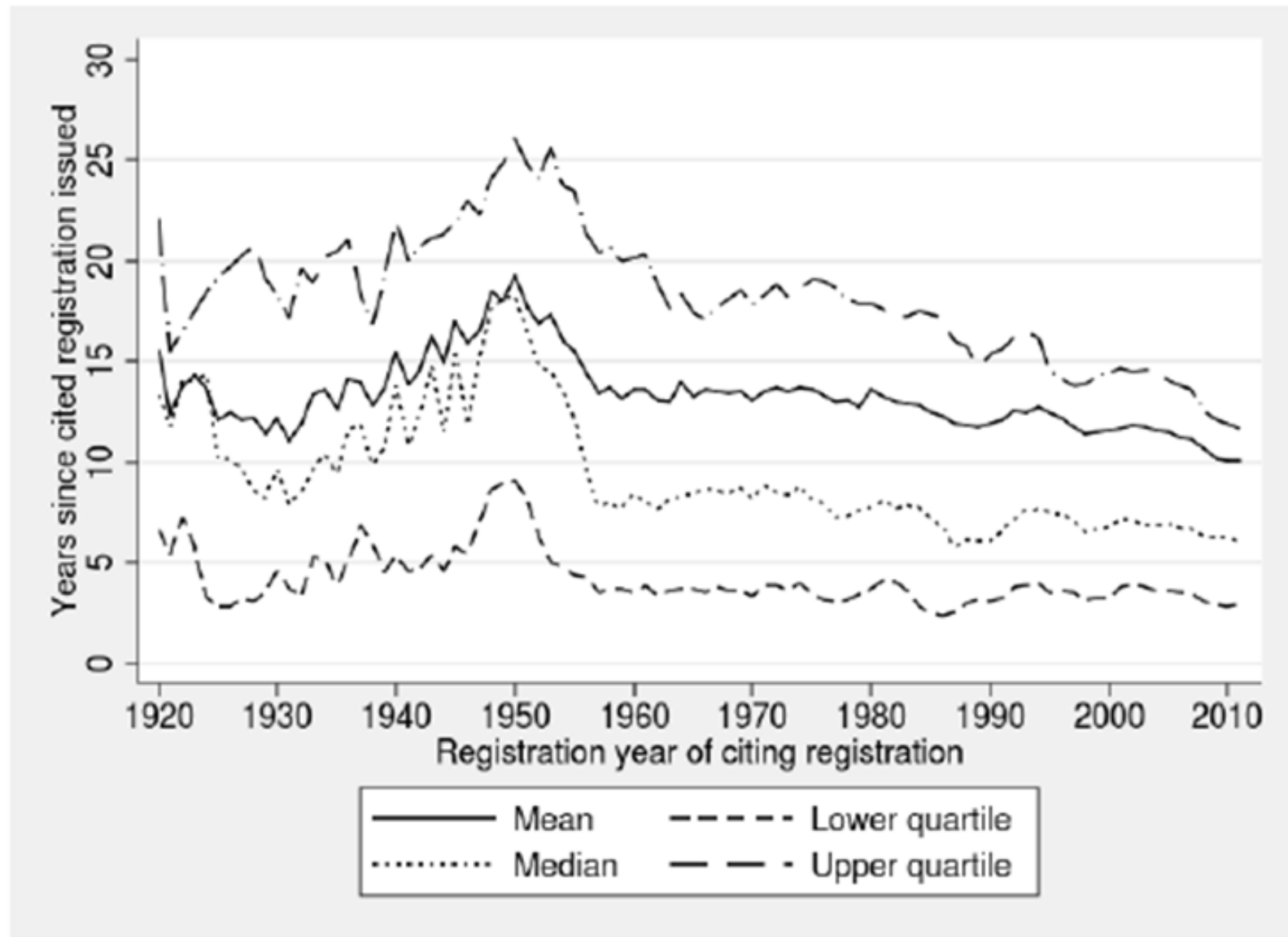


Observations in design_search data file by *design search code* Category

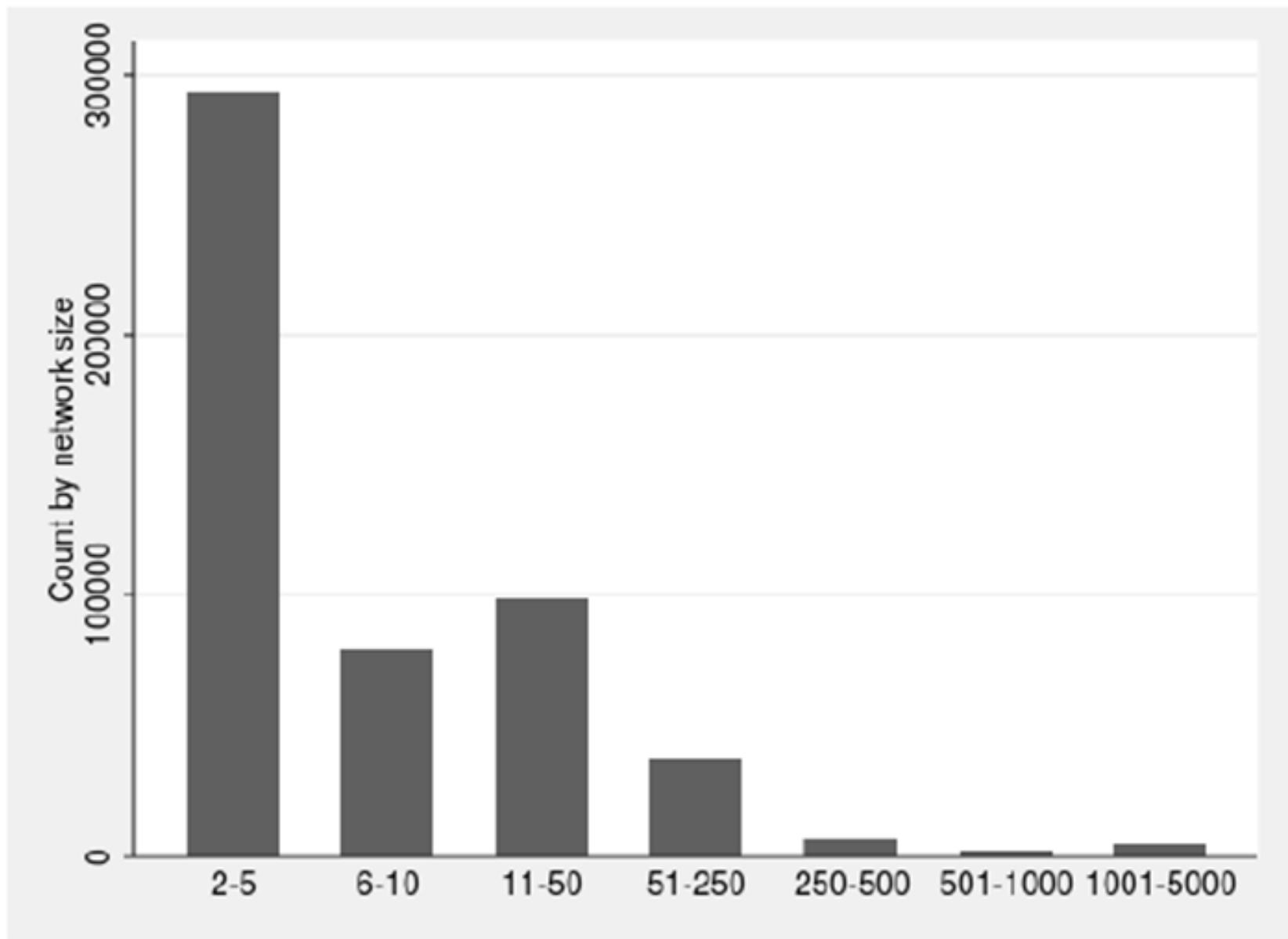
	(1)	(2)
	percent	
	<i>design search codes</i>	<i>serial numbers</i>
Category 26 Geometric figures and solids	0.470	0.663
Division 26.01 Circles	0.119	0.206
Division 26.11 Rectangles	0.070	0.206
Division 26.17 Lines, bands, bars	0.068	0.201
Category 2 Human beings	0.097	0.148
Category 3 Animals	0.073	0.116
Category 1 Celestial bodies, natural phenomena, geographical maps	0.069	0.159
Category 24 Heraldry, flags, crowns, crosses, arrows and symbols	0.057	0.130
Category 5 Plants	0.039	0.087
Category 27 Forms of writing	0.029	0.081
Category 7 Dwellings, buildings, monuments, stadiums, fountains, structural works and building materials	0.020	0.046
Category 6 Scenery	0.017	0.041
Category 4 Supernatural beings, mythological or legendary beings, fantastical beings or unidentifiable beings	0.013	0.032
Other	0.017	0.032
Observations	3,721,378	1,262,050

1) Calculated only for unique *serial numbers* observable in the *design_search* data file

Registrations age when cited



Live registration or pending application count by network size



Next Steps

- Hard work to be done on validation
 - TM, unlike the patent literature, has not had decades of rigorous work
 - Patent data had serious minds tackling important questions prior to the arrival of “big data,” e.g., Grilches, Pakkes, Scherer
- TM data is largely terra incognita
 - Payoffs likely in slow, molecular effort by researchers in the vein of “normal science”

Engelberg Center on Innovation Law and Policy, New York University School of Law
and the
United States Patent and Trademark Office

in cooperation with

Center for Law & Economics, ETH Zurich
Oxford Intellectual Property Research Centre
University of East Anglia

We are seeking paper proposals from economics, management, and legal scholars on the empirical study of trademark data for a one-and-a-half day workshop at the U.S. Patent and Trademark Office in Alexandria, Virginia to occur on September 26-27, 2013. This will constitute the companion workshop to our previous workshop at the University of Oxford in December 2012. Like its Oxford counterpart, this workshop is part of a broader project to support better scholarship in this embryonic area of research and lead to the publication of high quality and high impact studies. With the increased availability of trademark data, we are soliciting papers that open up new avenues of trademark research. Papers with empirical or experimental data and papers with a U.S., international, or foreign focus are welcome.

Proposals should be submitted by July 1, 2013, to saurabh.vishnubhakat@uspto.gov.

Authors will be notified of acceptance by July 15, 2013.

Please direct any questions to Barton Beebe (barton.beebe@nyu.edu) or Alan Marco (alan.marco@uspto.gov).