ACM Copyright Form and Audio/Video Release

Title of the Work: Inferring Correlation between User Mobility and App Usage in Massive Coarse-grained Data Traces

Author/Presenter(s): Zheng Lu:University of Tennessee, Knoxville, Knoxville, TN, United States; Yunhe Feng:University of Tennessee, Knoxville, TN, United States; Wenjun Zhou:University of Tennessee, Knoxville, Tennessee, United States; Xiaolin Li:Nanjing University, Nanjing, Jiangsu, China; Qing Cao:University of Tennessee, Knoxville, Tennessee, United States

Type of material:Full Paper

Publication: Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies

- I. Copyright Transfer, Reserved Rights and Permitted Uses
- * Your Copyright Transfer is conditional upon you agreeing to the terms set out below.

Copyright to the Work and to any supplemental files integral to the Work which are submitted with it for review and publication such as an extended proof, a PowerPoint outline, or appendices that may exceed a printed page limit, (including without limitation, the right to publish the Work in whole or in part in any and all forms of media, now or hereafter known) is hereby transferred to the ACM (for Government work, to the extent transferable) effective as of the date of this agreement, on the understanding that the Work has been accepted for publication by ACM.

Reserved Rights and Permitted Uses

- (a) All rights and permissions the author has not granted to ACM are reserved to the Owner, including all other proprietary rights such as patent or trademark rights.
- (b) Furthermore, notwithstanding the exclusive rights the Owner has granted to ACM, Owner shall have the right to do the following:
- (i) Reuse any portion of the Work, without fee, in any future works written or edited by the Author, including books, lectures and presentations in any and all media.
- (ii) Create a "Major Revision" which is wholly owned by the author
- (iii) Post the Accepted Version of the Work on (1) the Author's home page, (2) the Owner's institutional repository, or (3) any repository legally mandated by an agency funding the research on which the Work is based.
- (iv) Post an "Author-Izer" link enabling free downloads of the Version of Record in the ACM Digital Library on (1) the Author's home page or (2) the Owner's institutional repository;
- (v) Prior to commencement of the ACM peer review process, post the version of the Work as submitted to ACM ("Submitted Version" or any earlier versions) to non-peer reviewed servers;
- (vi) Make free distributions of the final published Version of Record internally to the Owner's employees, if applicable;

- (vii) Make free distributions of the published Version of Record for Classroom and Personal Use;
- (viii) Bundle the Work in any of Owner's software distributions; and
- (ix) Use any Auxiliary Material independent from the Work.

When preparing your paper for submission using the ACM templates, you will need to include the rights management and bibstrip text blocks below to the lower left hand portion of the first page. As this text will provide rights information for your paper, please make sure that this text is displayed and positioned correctly when you submit your manuscript for publication.

Authors should understand that consistent with ACM's policy of encouraging dissemination of information, each work published by ACM appears with a copyright and the following notice:

If you are using Authorized ACM TeX templates, the following code will generate the proper statements based on your rights choices. Please copy and paste it into your TeX file between \begin{document} and \maketitle, either after or before CCS codes.

```
\setcopyright{acmcopyright}
\acmJournal{IMWUT}
\acmYear{2017} \acmVolume{1} \acmNumber{4} \acmArticle{}
\acmMonth{December} \acmPrice{$15.00}\acmDOI{10.1145/3161171}
```

If you are using Word, copy and paste these words in the space provided at the bottom of your first page:

Permission to make digital or hard copies of all or part of this work for personal or classroom use is granted without fee provided that copies are not made or distributed for profit or commercial advantage and that copies bear this notice and the full citation on the first page. Copyrights for components of this work owned by others than ACM must be honored. Abstracting with credit is permitted. To copy otherwise, or republish, to post on servers or to redistribute to lists, requires prior specific permission and/or a fee. Request permissions from Permissions@acm.org.

Copyright © ACM 2017 2474-9567/2017/MonthOfPublication - ArticleNumber \$15.00 https://doi.org/10.1145/3161171

NOTE: DOIs will be registered and become active shortly after publication in the ACM Digital Library

A. Assent to Assignment. I hereby represent and warrant that I am the sole owner

(or authorized agent of the copyright owner(s)), with the exception of third party materials detailed in section III below. I have obtained permission for any third-party material included in the Work.
B. Declaration for Government Work. I am an employee of the National Government of my country and my Government claims rights to this work, or it is not copyrightable (Government work is classified as Public Domain in U.S. only)
Are any of the co-authors, employees or contractors of a National Government? Yes No Country:
II. PERMISSION FOR CONFERENCE TAPING AND DISTRIBUTION (Check A and, if applicable, B) A. Audio /Video Release
I hereby grant permission for ACM to include my name, likeness, presentation and comments in any and all forms, for the Conference and/or Publication.
I further grant permission for ACM to record and/or transcribe and reproduce my presentation as part of the ACM Digital Library, and to distribute the same for sale in complete or partial form as part of an ACM product on CD-ROM, DVD, webcast, USB device, streaming video or any other media format now or hereafter known.
I understand that my presentation will not be sold separately by itself as a stand-alone product without my direct consent. Accordingly, I give ACM the right to use my image, voice, pronouncements, likeness, and my name, and any biographical material submitted by me, in connection with the Conference and/or Publication, whether used in excerpts or in full, for distribution described above and for any associated advertising or exhibition.
Do you agree to the above Audio/Video Release? • Yes • No
III. Auxiliary Materials, not integral to the Work
* Your Auxiliary Materials Release is conditional upon you agreeing to the terms set out below.
[Defined as additional files, including software and executables that are not submitted for review and publication as an integral part of the Work but are supplied by the author as useful resources for the reader.]
I hereby grant ACM permission to serve files containing my Auxiliary Material from the ACM Digital Library. I hereby represent and warrant that any of my Auxiliary Materials do not knowingly and surreptitiously incorporate malicious code, virus, trojan horse or other software routines or hardware components designed to permit unauthorized access or to disable, erase or otherwise harm any computer systems or software.
I agree to the above Auxiliary Materials permission statement.
This software is knowingly designed to illustrate technique(s) intended to defeat a system's security. The code has been explicitly documented to state this fact.

IV. Third Party Materials

In the event that any materials used in my presentation or Auxiliary Materials contain the work of third-party individuals or organizations (including copyrighted music or movie excerpts or anything not owned by me), I understand that it is my responsibility to secure any necessary permissions and/or licenses for print and/or digital publication, and cite or attach them below.

We/I have not used third-party material.

We/I have used third-party materials and have necessary permissions.

V. Artistic Images

If your paper includes images that were created for any purpose other than this paper and to which you or your employer claim copyright, you must complete Part IV and be sure to include a notice of copyright with each such image in the paper.

We/I do not have any artistic images.

We/I have have any artistic images.

VI. Representations, Warranties and Covenants

The undersigned hereby represents, warrants and covenants as follows:

- (a) Owner is the sole owner or authorized agent of Owner(s) of the Work;
- (b) The undersigned is authorized to enter into this Agreement and grant the rights included in this license to ACM;
- (c) The Work is original and does not infringe the rights of any third party; all permissions for use of third-party materials consistent in scope and duration with the rights granted to ACM have been obtained, copies of such permissions have been provided to ACM, and the Work as submitted to ACM clearly and accurately indicates the credit to the proprietors of any such third-party materials (including any applicable copyright notice), or will be revised to indicate such credit;
- (d) The Work has not been published except for informal postings on non-peer reviewed servers, and Owner covenants to use best efforts to place ACM DOI pointers on any such prior postings;
- (e) The Auxiliary Materials, if any, contain no malicious code, virus, trojan horse or other software routines or hardware components designed to permit unauthorized access or to disable, erase or otherwise harm any computer systems or software; and
- (f) The Artistic Images, if any, are clearly and accurately noted as such (including any applicable copyright notice) in the Submitted Version.
- ✓ I agree to the Representations, Warranties and Covenants

Funding Agents

1. USDA NIFA 2017-67007-26150

DATE: 11/14/2017 sent to zlu12@vols.utk.edu at 20:11:27