

Author-ity Exporter, and a case study of geographic mobility

10/24/2016

by Vetle Torvik

(joint work with Mikko Tuomela and Brent Fegley)

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I L L I N O I S

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Author-ity: disambiguation

– does C. Friedman refer to the same person?



Title: Assignment of the human p27Kip1 gene to 12p13 and its analysis in leukemias.

Authors: Pietenpol JA, Bohlander SK, Sato Y, Papadopoulos N, Liu B, **Friedman C**, Trask BJ, Roberts JM, Kinzler KW, Rowley JD, et al.

Affiliation: Johns Hopkins Oncology Center, Baltimore, Maryland 21231.

Journal: **Cancer** Res. 1995 Mar 15;55(6):1206-10.

MeSH: Base Sequence; Chromosome Mapping; Chromosomes, Human, Pair 12; Cyclin-Dependent Kinase Inhibitor p21; Cyclins; Genes, Tumor Suppressor; **Humans**; Leukemia; Molecular Sequence Data; Protein Kinase Inhibitors; Translocation, Genetic

probability of match = ?

Title: A double-blind comparison of the efficacy of two dose regimens of oral granisetron in preventing acute emesis in patients receiving moderately emetogenic chemotherapy.

Authors: Ettinger DS, Eisenberg PD, Fitts D, **Friedman C**, Wilson-Lynch K, Yocom K

Affiliation: The Johns Hopkins Oncology Center, Baltimore, Maryland 21287.

Journal: **Cancer**. 1996 Jul 1;78(1):144-51.

MeSH: Administration, Oral; Adolescent; Adult; Aged; Aged, 80 and over; Antiemetics; Antineoplastic Agents; Double-Blind Method; Female; Granisetron; **Humans**; Male; Middle Aged; Nausea; Remission Induction; Sex Factors; Vomiting.

Author-ity Exporter

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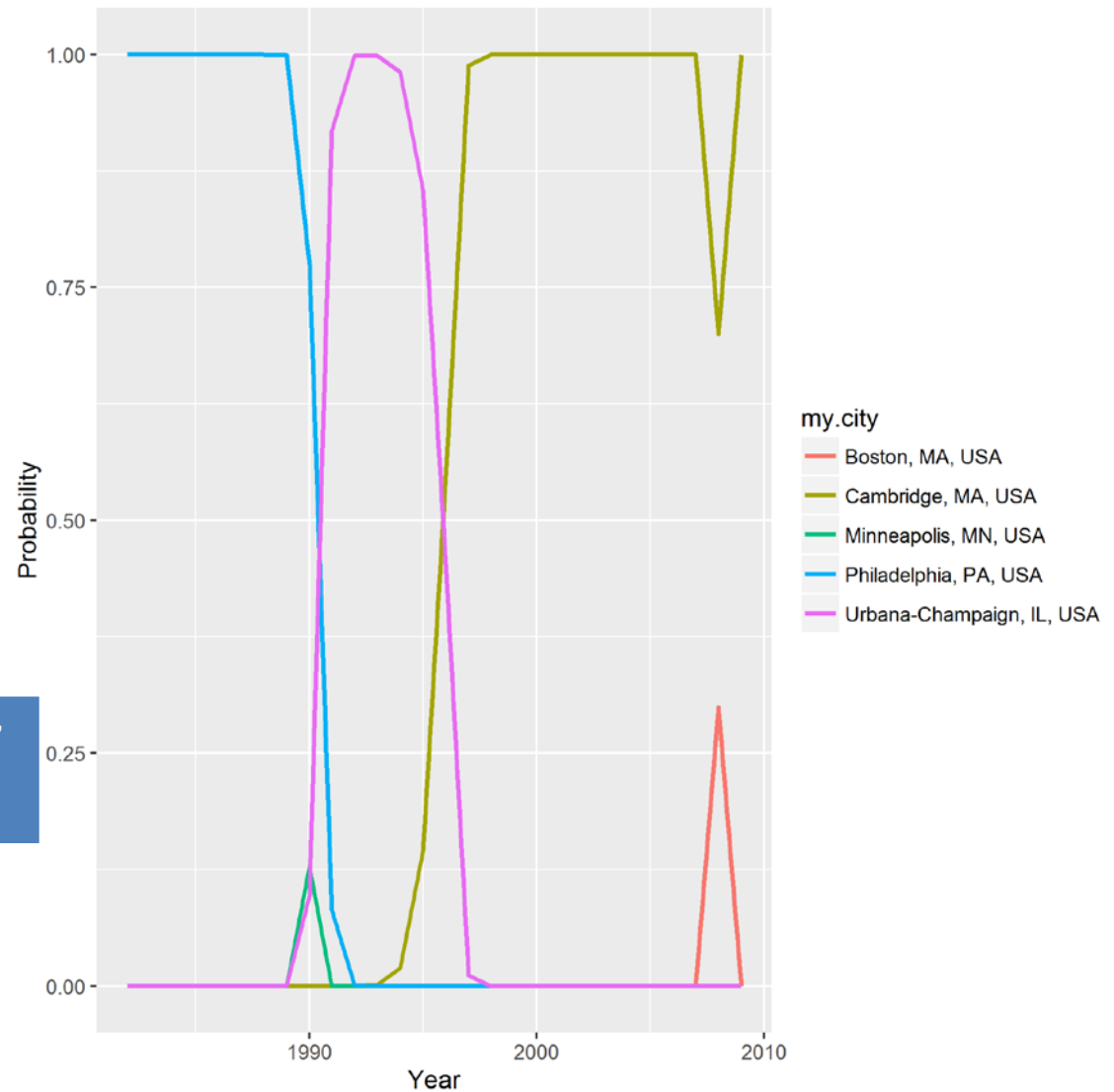
25 champaign

Number of papers	H Index	Last name	First name	MI	Start year	End year	Frequent affiliation words	Frequent topics	Co-authors	Acknowledged Grants	Grants as PI	Papers	Patents
385	29	van Boom; Van Boom; van Boom JH	Jacques	HJ-	1973	2005	leiden(104); chemistry(94); goriaeus(69); More info [+]	Nucleic Acid Conformation(174); Base Sequence(147); Magnetic Resonance Spectroscopy(134); More info [+]	van der marel_g(246); wang_a(57); altona_c(47); More info [+]	GM041612(11); CA052506(9); A1015122(4); More info [+]		Anne O'Tate; PubMed	-
354	3	Baker	David	H	1966	2009	illinois(172); urbana(170); 61801(165); More info [+]	Chickens(220); Animal Feed(120); Body Weight(120); More info [+]	parsons_c(37); harmon_u(25); jensen_a(25); More info [+]	DK042023(3); AM007497(2); AG013582(4); More info [+]	-	Anne O'Tate; PubMed	4699188; 5121778; 5222530; More info [+]
344	12	Katzenellenbogen; Katzenellenbogen	John	AJ-	1973	2009	illinois(178); urbana(178); 61801(175); More info [+]	Receptors, Estrogen(188); Ligands(112); Estradiol(101); More info [+]	carlson_k(105); katzenellenbogen_b(89); welch_m(75); More info [+]	DK015556(118); CA025836(68); GM027029(61); More info [+]	GM017061; AM027526; RR003155; More info [+]	Anne O'Tate; PubMed	4064150; 4851402
324	10	Dantzer	Robert	-	1969	2009	bordeaux(136); inserm(109); infra(92); More info [+]	Interleukin-1(81); Behavior, Animal(78); Brain(77); More info [+]	carlson_k(105); kelley_k(127); bluthe_r(72); parnet_p(35); More info [+]	MH051569(63); MH071349(38); AG006246(32); More info [+]	MH071349; MH079829; NS073939	Anne O'Tate; PubMed	-
315	22	van der Marel; Van der Marel; Van Der Marel; More info [+]	Gijsbert; Gijs	AJ-	1977	2009	leiden(136); chemistry(128); urbana(135); 61801(132); More info [+]	Nucleic Acid Conformation(131); DNA(105); Base Sequence(99); More info [+]	van boom_j(246); wang_a(50); More info [+]	GM041612(9); CA052506(7); CA038544(3); More info [+]		Anne O'Tate; PubMed	-
308	19	Gennis	Robert	BJ-	1970	2009	illinois(135); urbana(135); 61801(132); More info [+]	Escherichia coli(171); Electron Transport Complex IV(117); Cytochromes(110); More info [+]	brzezinski_p(24); barquera_b(20); alben_j(19); More info [+]	HL016101(142); GM050003; RR007283(14); More info [+]	HL000040; GM050003; RR016101; More info [+]	Anne O'Tate; PubMed	-
286	7	Swartz; SWARTZ	Harold	MJ-IJ	1965	2009	dartmouth(117); newhamshire(115); hanover(110); More info [+]	Electron Spin Resonance Spectroscopy(208); Oxygen(134); Oximetry(60); More info [+]	grinberg_o(50); liu_k(41); hou_h(29); More info [+]	RR001811(78); GM034250(54); RR011602(40); More info [+]	AT067733; AI091173; GM035534; More info [+]	Anne O'Tate; PubMed	5494030; 5706805; 5833601; More info [+]
275	19	Katzenellenbogen	Benita	SJ-	1972	2009	illinois(145); urbana(142); 61801(131); More info [+]	Receptors, Estrogen(199); Estradiol(129); Breast Neoplasms(92); More info [+]	katzenellenbogen_j(89); carlson_k(28); sun_j(18); More info [+]	CA018119(184); DK015556(47); CA060514(26); More info [+]	HD006726; CA018119; CA060514; More info [+]	Anne O'Tate; PubMed	-
274	26	Cronan	John	E	1967	2009	illinois(125); urbana(125); 61801(122); More info [+]	Escherichia coli(228); Fatty Acids(86); Mutation(81); More info [+]	chang_y(17); rock_c(14); chapman-smith_a(12); More info [+]	A1015650(137); GM026156(28); GM007283(7); More info [+]	GM022797; GM026156; AI010186; More info [+]	Anne O'Tate; PubMed	5252466; 6723321
263	19	Gratton	Enrico	-	1971	2009	illinois(78); urbana(74); champaign(69); More info [+]	Spectrometry, Fluorescence(99); Fluorescent Dyes(58); Microscopy, Fluorescence(44); More info [+]	parasassi_t(27); mantulin_w(20); fantini_s(19); More info [+]	RR003155(134); CA057032(20); RR010966(16); More info [+]	GM076516; RR003155; CA057032; More info [+]	Anne O'Tate; PubMed	4840485; 5212386; 5213105; More info [+]
255	16	Sligar	Stephen; Steven; StephenG; More info [+]	GI-IS	1974	2009	illinois(136); urbana(130); 61801(124); More info [+]	Cytochrome P-450 Enzyme System(118); Oxidation-Reduction(53); Protein Conformation(51); More info [+]	denisov_(27); makris_t(17); mclean_rm(16); More info [+]	GM031756(123); GM033775(117); GM024976(12); More info [+]	GM024976; AM000778; GM063574; More info [+]	Anne O'Tate; PubMed	5466589; 6235500; 7048949; More info [+]
252	26	Lilley	David; David Mj	MJ-	1974	2009	dundee(157); biochemistry(140); acid(70); More info [+]	Nucleic Acid Conformation(193); Base Sequence(121); DNA(93); More info [+]	murchie_a(46); wilson_t(21); norman_d(20); More info [+]	GM065367(3); GM008276(2); GM045190(1); More info [+]	RR003155	Anne O'Tate; PubMed	4719180
250	21	Schulten	Klaus	-	1978	2009	illinois(175); urbana(174); beckman(154); More info [+]	Models, Molecular(158); Computer Simulation(123); Protein Conformation(87); More info [+]	tajkhorshid_c(30); akimentiev_a(14); freddolino_p(14); More info [+]	RR005969(201); GM067887(38); GM060946(17); More info [+]	GM067887; GM073655; RR027890; More info [+]	Anne O'Tate; PubMed	-
246	21	Lauffenburger	Douglas; A Douglas; Doug	AJ-ID	1979	2009	engineering(154); massachusetts(119); chemical(118); More info [+]	Models, Biological(111); Signal Transduction(73); Cell Movement(72); More info [+]	wells_a(34); wiley_h(26); sorger_p(15); More info [+]	GM068762(20); CA112967(15); CA096504(13); More info [+]	GM053905; AI021538; CA155758; More info [+]	Anne O'Tate; PubMed	6790628; 6946548; 7371370; More info [+]
239	4	Kummerow;	Fred	AJ-	1948	2009	illinois(73); urbana(63); cagacarbharatosu(58); More info [+]	Cholesterol(69); Fatty Acids(49); Swine(44); More info [+]	mahfouz_m(28); zhou_g(28); toda_y(24); More info [+]	HL017597(1); HL015504(1); More info [+]	HL014279; HL015504; More info [+]	Anne O'Tate;	-

Authors with at least 25 papers and "Champaign" among their top-20 affiliation words. The top 15 out of 785 authors, ordered by the publication count, are shown. The "Export papers" button permits downloading metadata on all 49,044 papers by the 785 authors.

Geographic Mobility

395370_1

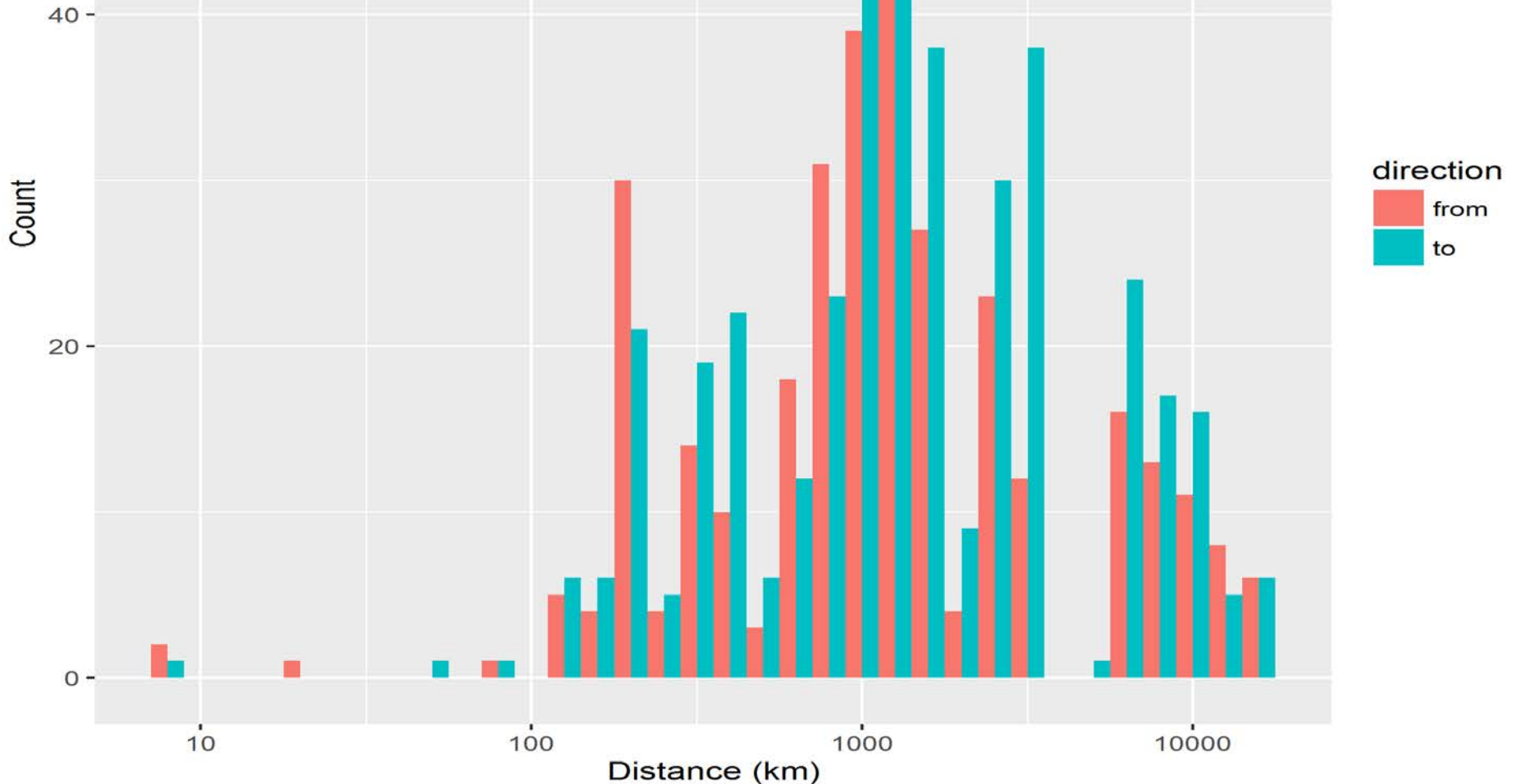


$$\text{logit}(\Pr\{city_i\}) \sim \beta_0 + \beta_1 \text{year} + \beta_2 \text{year}^2, \\ city_i \in \text{cities}$$

The model predicts that author Douglas Lauffenburger (Author-ity ID = 395370_1) started in Philadelphia, PA in ~1980, moved to Urbana-Champaign, IL in 1991, and then to Cambridge, MA in 1996 where he remained through 2009. This aligns well with his public CV (<http://web.mit.edu/dallab/people/>).

Moving distance to and from Urbana-Champaign

- Very few move within 100km of Urbana-Champaign.
- A spike in moves from Urbana-Champaign to places about 200km away
- A disproportionate number of long-distance moves (> 1000km) to vs. from Urbana-Champaign.



Acknowledgements



- This research was supported in part by the National Institute on Aging of the US NIH grant P01AG039347
- We also thank numerous colleagues on the project who graciously performed initial testing and provided feedback on the Authority Exporter.