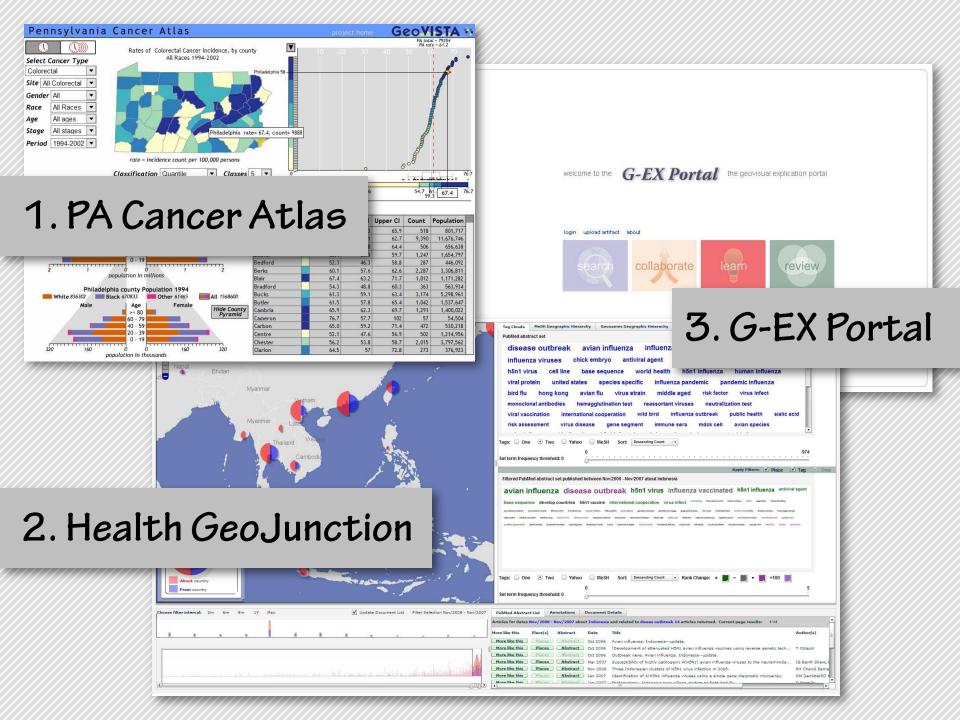
Web-based Geovisualization and GeoCollaboration

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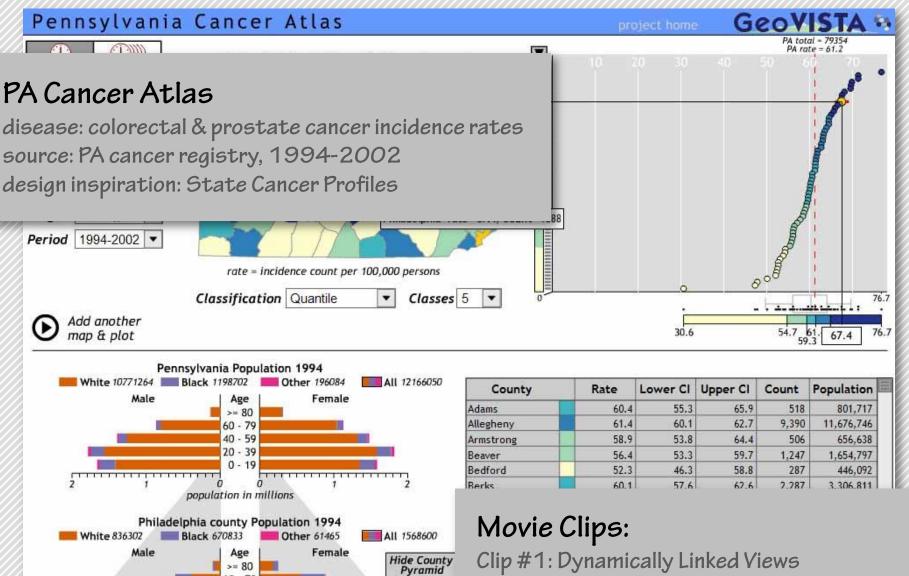












>= 80 60 - 79

40 - 59 20 - 39

0 - 19

population in thousands

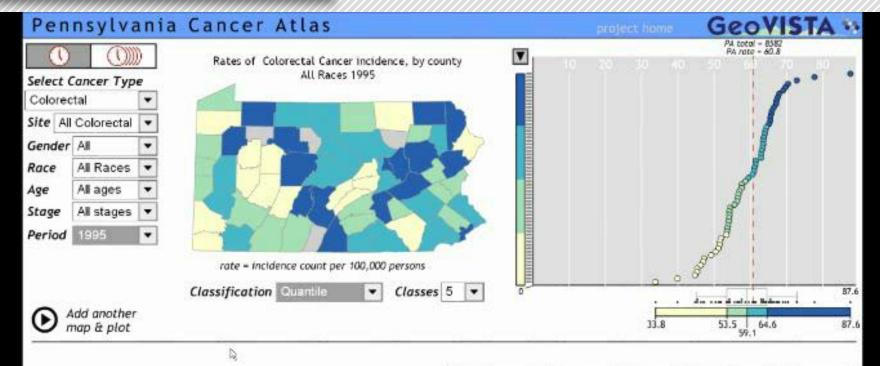
160

Clip #1: Dynamically Linked Views

Clip #2: Statistical Graphics

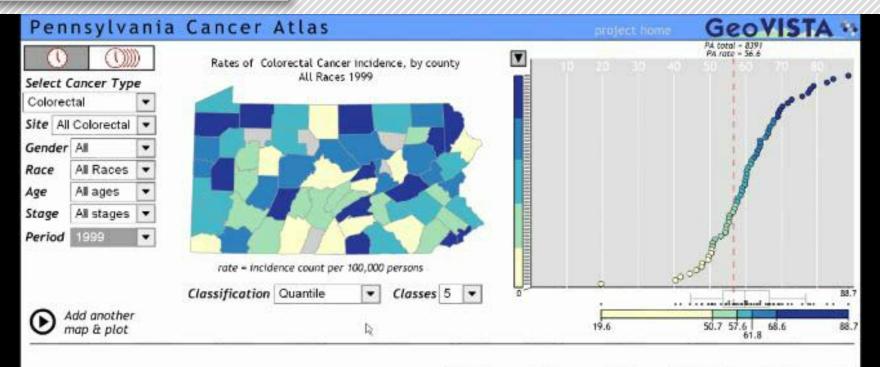
Clip #3: Comparison of Multiple Maps & Plots

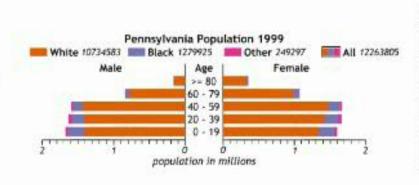
Clip #1: Dynamically Linked Views



County	Rate	Lower CI	Upper CI	Count	Population
Adams	61.0	45.6	80.1	53	85,065
Allegheny	63.1	59.4	67.1	1,085	1,322,460
Armstrong	51.5	37.8	69.5	48	73,988
Beaver	57.6	48.3	68.5	139	187,479
Bedford	54.2	36.9	78	32	49,185
Berks	59.5	52.2	67.6	246	357,193
Blair	66.5	54.4	80.7	109	131,807
Bradford	45.3	30.9	65.1	32	62,402
Bucks	63.4	56.8	70.7	339	573,851
Butler	63.0	51.8	76.1	111	165,415
Cambria	51.9	42.6	63	113	159,893
Cameron	No Data	No Data	No Data	6	6,106
Carbon	56.7	41	77.5	45	58,620
Centre	63.5	48.7	81.6	63	131,951
Chester	61.4	53.6	70	226	402,908
Clarion	50.4	31.9	76.9	23	42,387

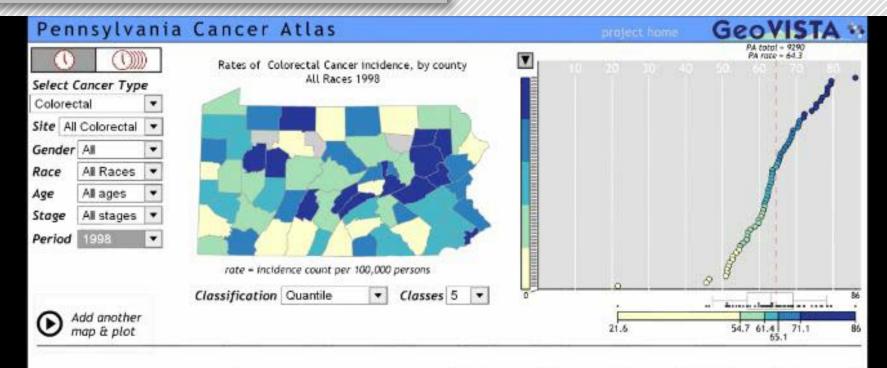
Clip #2: Statistical Graphics

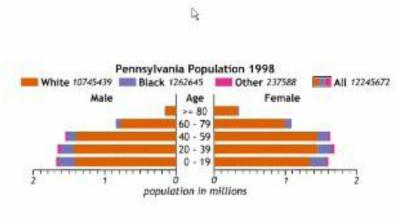




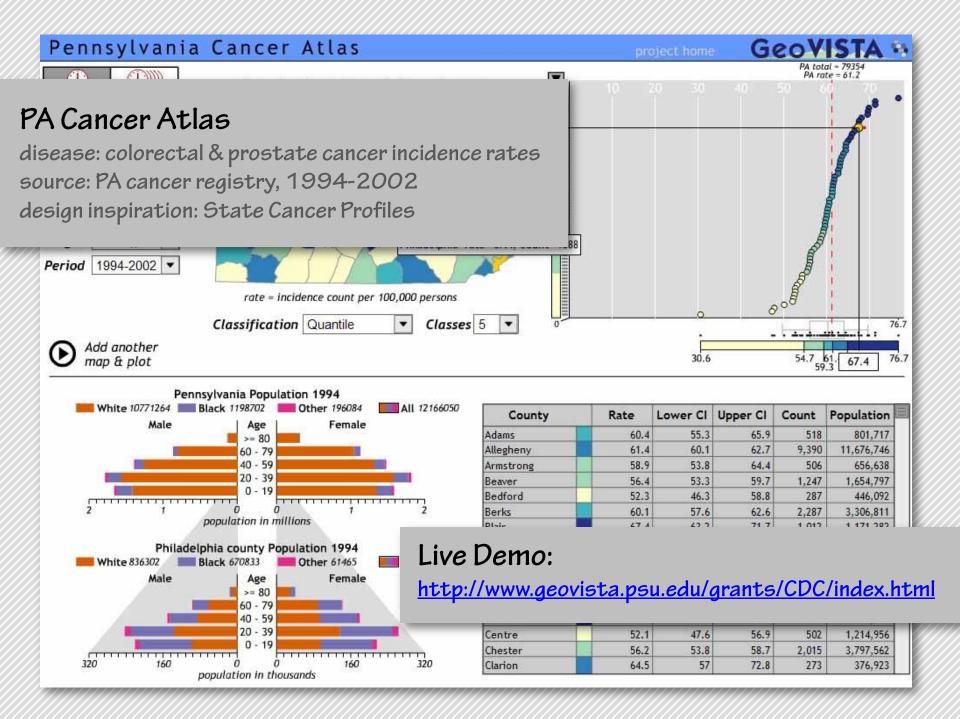
County	Rate	Lower CI	Upper CI	Count	Population
Adams	72.9	57	92.4	71	90,365
Allegheny	59.8	56.1	63.7	1,009	1,287,247
Armstrong	54.3	40.4	72.6	52	72,582
Beaver	57.8	48.6	68.5	144	182,592
Bedford	50.4	34.1	73.2	31	49,855
Berks	61.6	54.3	69.7	260	370,942
Blair	56.8	45.9	70	95	129,763
Bradford	58.6	42.5	80.2	44	62,701
Bucks	59.8	53.7	56.5	351	593,947
Butler	69.6	58.2	82.7	133	172,924
Cambria	69.0	58.2	81.6	152	153,912
Cameron	14o Data	No Data	No Data	- 1	6,134
Carbon	63.1	46.8	84.8	-51	58,846
Centre	41.8	30.6	56	-46	135,315
Chester	51.4	44.6	58.9	208	428,055
Clarion	55.3	36.4	81.9	27	41,773

Clip #3: Comparison of Multiple Maps & Plots





County	Rate	Lower CI	Upper CI	Count	Population
Adams	69.1	53.4	88.2	66	89,076
Allegheny	63.0	59.2	67	1,076	1,295,026
Armstrong	60.8	46.1	80	59	73,049
Beaver	63.3	53.7	74.6	156	184,315
Bedford	45.6	30.2	67.8	28	49,561
Berks	62.1	54.8	70.2	264	367,082
Blair	75.4	62.8	90.3	127	130,515
Bradford	46.3	32	66.3	34	62,950
Bucks	65.3	58.8	72.3	376	588,475
Butler	61.1	50.4	73.5	115	171,322
Cambria	65.8	55.3	78.3	144	155,678
Cameron	No Data	No Data	No Data	8	6,112
Carbon	75.3	57.1	99	59	58,816
Centre	55.6	42.3	71.9	59	134,657
Chester	62.7	55.2	71.1	249	420,529
Clarion	78.3	55	109.3	. 37	41,891

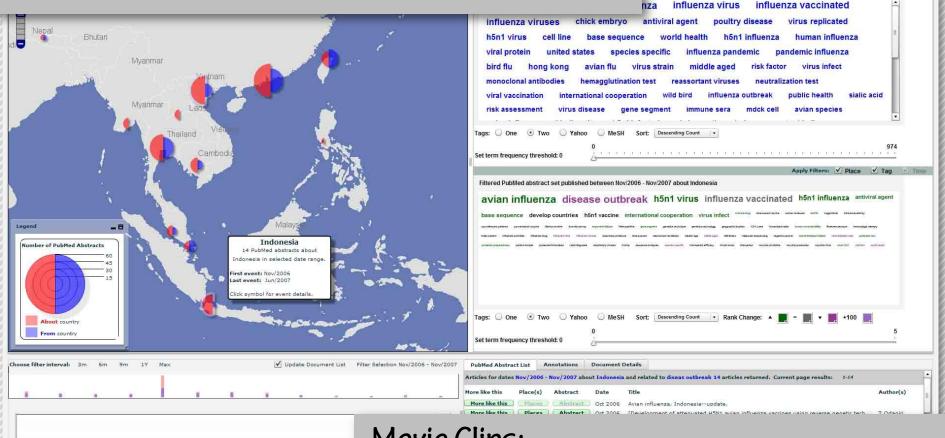


Health GeoJunction

disease: avian influenza incidence & mortalities

source: PubMed

design inspiration: HealthMap.org & GISAID Epi Flu database



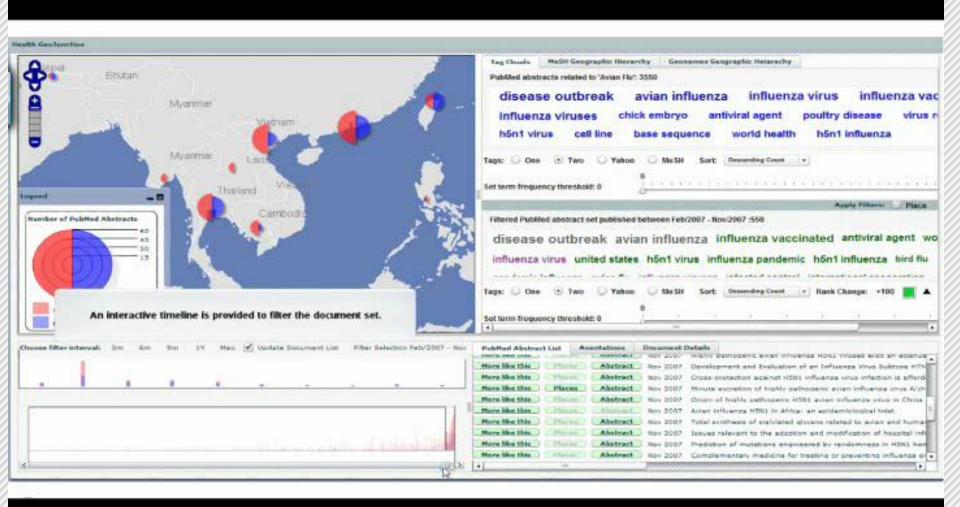
Movie Clips:

Clip #1: Split Proportional Symbols & Temporal Filtering

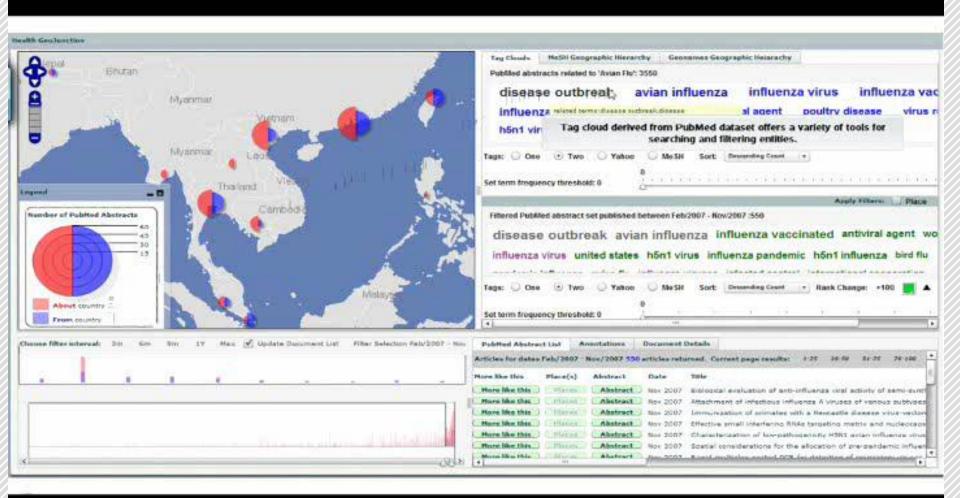
Clip #2: Tag Cloud Filtering

Clip #3: the Abstract List View

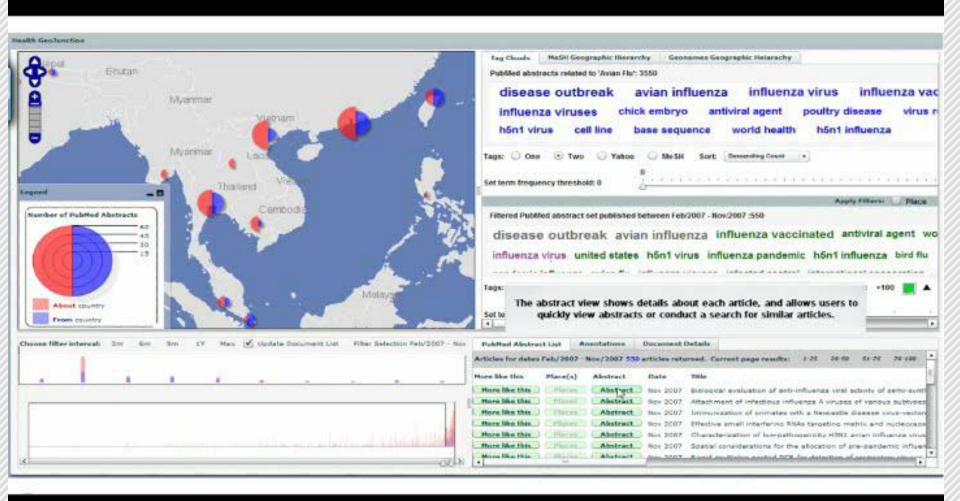
Clip #1: Split Proportional Symbols & Temporal Filtering



Clip #2: Tag Cloud Filtering



Clip #3: the Abstract List View



G-EX Portal

design inspiration: YouTube, del.icio.us, Facebook

welcome to the



the geovisual explication portal

login upload artifact about









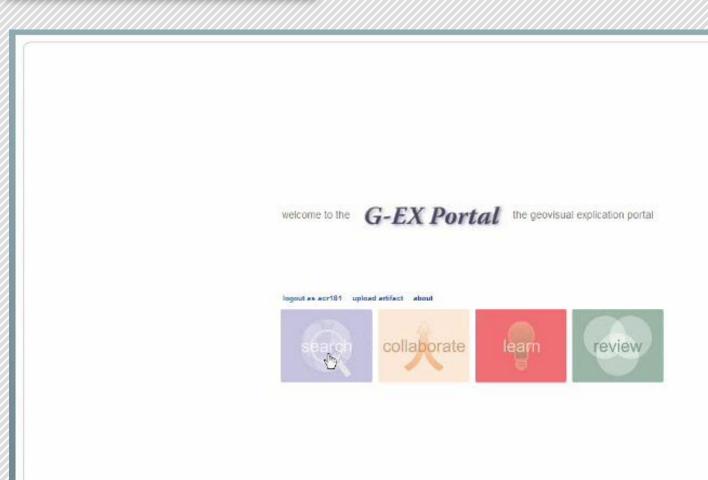
Movie Clips:

Clip #1: the Search Module

Clip #2: User Profiles & the Learn Module

Clip #3: Integration with other GeoVISTA tools

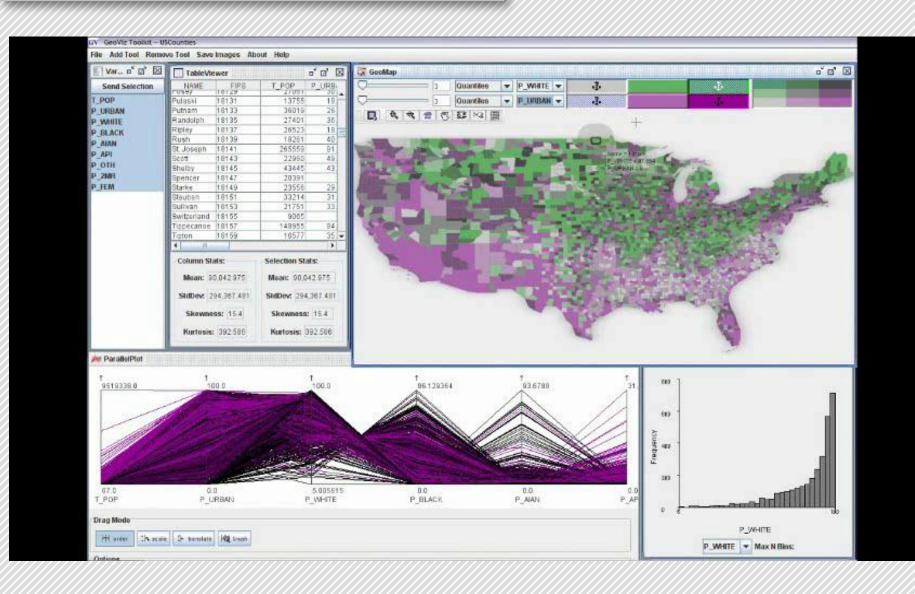
Clip #1: the Search Module



Clip #2: User Profiles & the Learn Module



Clip #3: Integration with other GeoVISTA tools



Questions?

Further reading:

Bhowmick et al. (2008) Distributed usability evaluation of the Pennsylvania Cancer Atlas. *International Journal of Health Geographics* 7: 35.

Stryker et al. (2008) Health GeoJunction: Geovisualization of news and scientific publications to support situation awareness. In: *Proceedings of the Geospatial Visual Analytics Workshop, GlScience* 2008. Park City, UT: September 23.

Robinson et al. (2007) The G-EX Portal: Web-based Dissemination of Geovisual Analytic Results. In: *Proceedings of the ICA Commission on Visualization and Virtual Environments*. Helsinki, Finland: August 2-3.

