What is claimed is:

1. A system comprising:

a hardware platform comprising at least one computer processor;

an analysis system executing on said hardware platform configured to:

receive raw location observations, said raw observations comprising a device identifier, a timestamp and a location definition;

process said raw location observations into a plurality of mobility genes, said mobility genes comprising trajectories, pauses, and stays, said trajectories comprising movements;

said stays being determined as a pause having a duration longer than a minimum stay threshold, said pauses being determined by a minimum dwell threshold, said minimum dwell threshold being approximately one third of said minimum stay threshold;

store said mobility genes;

receive a request for at least one of said mobility genes; and

transmit said at least one of said mobility genes in response to said request.

2. The system of claim 1, said raw location observations comprising telecom location observations.

3. The system of claim 2, said telecom location observations comprising access point connection locations.

4. The system of claim 2, said telecom location observations comprising locations determined by mobile devices.

5. The system of claim 1, said hardware platform further configured to:

identify a first subset of said raw location observations having a common device identifier;

organize said subset into a series by said timestamp; and

determine a first trajectory from said first subset organized by said timestamps.

6. The system of claim 5, said hardware platform further configured to:

smooth said first trajectory.

7. The system of claim 6, said hardware platform further configured to:

map at least a portion of said first trajectory to a set of physical locations;

determine a velocity range for travel between said set of physical locations; and

adjust at least one location observation to achieve said velocity range.

8. The system of claim 1, said request being for a plurality of trajectories having a common element.

9. The system of claim 8, said common element being at least one of a group composed of:

a starting location;

an ending location; and

a trajectory segment.

10. The system of claim 8, said hardware platform further configured to:

anonymize a first trajectory by truncating at least one portion of said first trajectory.

11. The system of claim 10, said hardware platform further configured to:

determine that said at least one portion of said first trajectory is a likely home location.

12. The system of claim 8, said hardware platform further configured to:

anonymize a first trajectory by identifying a first end and adjusting said first end to be a second location within a first radius of said first end.

13. The system of claim 12, said second location being a generic location for a plurality of locations within said first radius.

14. A method performed by at least one processor, said method comprising:

receiving raw location observations, said raw observations comprising a device identifier, a timestamp and a location definition;

processing said raw location observations into a plurality of mobility genes, said mobility genes comprising trajectories, pauses, and stays, said trajectories comprising movements;

said stays being determined as a pause having a duration longer than a minimum stay threshold, said pauses being determined by a minimum dwell threshold, said minimum dwell threshold being approximately one third of said minimum stay threshold;

storing said mobility genes;

receiving a request for at least one of said mobility genes; and

transmitting said at least one of said mobility genes in response to said request.

15. The method of claim 14 further comprising:

identifying a first subset of said raw location observations having a common device identifier;

organizing said subset into a series by said timestamp; and

determining a first trajectory from said first subset organized by said timestamps.

16. The method of claim 14 further comprising:

smoothing said first trajectory.

17. The method of claim 16 further comprising:

mapping at least a portion of said first trajectory to a set of physical locations;

determining a velocity range for travel between said set of physical locations; and

adjusting at least one location observation to achieve said velocity range.

18. The method of claim 14, said request being for a plurality of trajectories having a common element.

19. The method of claim 18, said common element being at least one of a group composed of:

a starting location;

an ending location; and

a trajectory segment.

20. The method of claim 14 further comprising:

anonymizing a first trajectory by truncating at least one portion of said first trajectory.