Psuedo code

Phase 1: ELM learning of original dataset

```
[w_{inp\_1}, w_{out\_1}] = elm(h_1, t_1)
free(h_1, t_1); Original data is forgotten
```

Phase 2: Generative Inertial learning

```
\begin{split} h_g &= rand([size\_of\_input, size\_of\_inertia]) \; ; \; Generate \; randomized \; inertia \\ t_g &= dot(feed\_forward(w_{inp\_1}, h_g), w_{out\_1} \; ; \; Calculate \; output \; inertia \\ h_i &= h_i.append(h_g) \\ t_i &= t_i.append(t_g) \; ; \; Append \; inertia \; to \; incoming \; dataset \\ [w_{inp\_i}, w_{out\_i}] &= elm(h_i, t_i) \; ; \; Learn \; new \; model \; from \; combined \; dataset \\ free(h_i, t_i); \; Purge \; the \; current \; dataset; \; Ready \; for \; incoming \; data \end{split}
```

Remark 1. This algorithm should work with not only ELM but also any batch learning algorithm

Remark 2. The chunk size of the incoming data is irrelevent with the ability of the algorithm to derive correct estimation of the target function need prove