PTSD in Babies

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When traumatic events occur in an infant’s life, it can cause drastic changes in the brain which can carry out into their adult life. Both physical harm and neglect will disrupt the normal flow of the brain. The interesting aspect is how these things can stay with the child as they grow into their adult life.

The importance of this project is to display how mental and physical disorders can start. According to The American SPCC, 72.9% of child abuse victims die from neglect, and 43.9% die from physical abuse. Those that survive, suffer long term consequences that affect their lives in multiple ways.

Using NetLogo, I plan to model a map of an infant’s brain. I want to isolate certain events, map where they occur on the brain, what functions that area of the brain is responsible for, and display how those areas will be effected as the child grows. My map will be color coordinated based on events and the map will be sectioned off to show how complex and high functioning the human brain is. Finally, through immense amounts of research, I hope to achieve an optimal and accurate model of a baby’s brain and relay a message of how serious mental and physical disorders can be and how we can hope to prevent them.