

Introduction:

Alice is the human of this story, and Koko is the name of her AI-assistant. Alice is 28 and lives alone (no other human). She has Koko since about 4 years. Koko's main goal is to help Alice making the best decisions in every moment of her life. The "best" here means anything that makes her life more close to her long-term and short-term goals. Two of Alice's long-term goals are keeping her mind and body in their healthiest way and finding enough money to fulfill this goal. Koko's main soft/hardware is a robot, which can easily move anywhere that a human can go on foot. There are also some software versions of Koko, which live on her smartphone, smartwatch, smart glasses, laptop and car. These versions are all synced with each other and work based on Alice's location and intention. Now let us jump into the story.

Body:

It is 6 o'clock and Alice is asleep, but Koko is awake, monitoring and analyzing some signals, which are sending via smart devices from Alice's brain/body. These signals are brain waves, blood pressure and sugar, body temperature, breathing voice etc. By analyzing these signals, Koko can have a sense of Alice's sleep quality and health state. Koko also remember what Alice did yesterday, what time she slept last night, what she is up to today, what her music taste is, and thus, what is the best time and sound for waking her up, based on this data. The result is 7:10. At this time, Koko wakes up Alice by playing a light piano music. This music is the best thing for Alice's mind to start a day.

Koko has reviewed thousands of scientific papers in brain/neuroscience recently and has investigated that Alice needs meditation as a daily routine. Based on Koko's optimization within last 3 months, it turned out that the best time for Alice's meditation is right after waking up, since it has the best impact based on Alice's health signals. Therefore, after waking up, Koko suggests her with exact words (based on her personality and past conversation results), about starting meditation.

After 20 minutes of meditation, now it is time to eat breakfast. What is the best choice for breakfast? Hard question for human, but not that much for Koko. Based on Alice's agenda in the next hours, her body needs more carbohydrate and protein than other things. Recently, Alice has also talked about her weight-management diet with Koko and asked about choosing the best foods in each meal. Finally, based on all these data, and what Alice has in her kitchen, Koko suggest her some honey + bread+ egg etc. while eating breakfast, Alice also talks about her dreams during last night and Koko records this data to update its knowledge about Alice's mind state and find the possible correlations between dreams and past events.

Now it is about 8:15. Alice and Koko are preparing to start working. Alice is a digital artist and has an art gallery in Metaverse. She creates 3D sculptures, which can speak and move around. Koko works as an assistant and creates raw ideas for Alice, combining all its visionary + auditory data .Koko also works as a gallery manager when Alice says.

While Alice is working with her laptop and smart sunglasses, Koko is also monitoring the signals coming from Alice's eyes. These signals include the pattern of eye movement, the diameter of her pupils and pattern of blinking. By analyzing this data (along with other data it might gather from

talking with Alice), Koko can know what is going on in Alice's mind. For example, whether she is tired or not, her area of attention and her awareness of what she is doing at that moment. Since there are also many other personal AI agents living in Metaverse (and they help their owners achieving their goals), the stuffs which are shown in the galleries or places like that, may be designed in a way that the owner gain the most attention and so the most income. This kind of designing may trigger human's subconscious mind and as a result, lead to a subconscious attention. One key role of Koko here is to do some actions in critical moments, in order to bring the consciousness back to Alice's mind. This way, it manages her time, energy and attention when she is in virtual/online platforms.

While working, Alice realizes that she needs to learn about a new complex technological tool in Metaverse. She asks Koko about this and Koko searches on the internet. It finds some good tutorials and learns them in a few seconds. Then transfers the abstraction of this data to Alice, with a new form of words which best suits Alice's mind. In this way, she learns all she needs from that subject, in her own specific way. Again, saves much time and energy.

After about two hours of working, now it is 11:00. Alice is a bit tired and asks Koko *what funny thing can we do now?* Koko sees its results of analyzing Alice's mind state and decides to suggest her a two-player game. Alice agrees and they play for about 30 minutes.

Coming back to the work at about 11:30, now Alice is going to read/listen to the comments about her art works and may answer some of them. Since there are tens of thousands of comments from all over the world every day, Alice cannot put that much time. Therefore, Koko comes to help again. Koko can understand text or voice comments in just a few milliseconds, and also has the ability to answer the comments, since it knows what would be Alice's answer in such a situation. It takes only about 30 minutes to read/listen all the comments. After that, Koko can analyze this new data, to know about the impression of that artwork on people. This feedback can be helpful for Alice's future works.

Now, at 12:00, Alice is going to take a refreshing nap. At this time, Koko starts to change the lights and temperature of home and when Alice sleeps, it begins to visit all new artworks on Metaverse from other artists, uploaded from yesterday. The information about the prices, the number of views and artistic aspects of this work can be beneficial for Alice.

Alice has invested some part of her money in crypto market. Since there is a super complex mechanism behind this market, predicting the best financial action is beyond the ability of a single human. Thus, Koko takes over. When Alice wakes up, Koko tells her the results of its financial performance.

Now it is 12:30, Alice needs to eat something for lunch, and Koko again suggests an optimal recipe, based on the available ingredients (in home) and what Alice's body needs in order to be healthy.

After preparing/eating lunch and again working on artworks, now it is about 15:00. Alice plans to go out of the city, in order to spend time in nature. Koko is going to be with Alice on the software versions (on her smartphone, smartwatch and car). They are going to go there by car, and Alice

asks Koko to drive the car and play some appropriate music while driving. Finding the best route and the best music are not hard tasks for Koko.

They arrive to the destination and Alice is going to do some exercise in nature. After talking with Koko and asking for the best way of exercising, Koko gives her a detailed plan based on the foods that Alice has eaten today, their calories, the amount of calories Alice has burnt until that time, and also her Anatomical and physiological properties. Then Alice starts exercising based on that plan and Koko monitors the signals from her body, and her body movement (via camera). In one case, Koko alarms Alice about her wrong gesture, which may hurt her back.

After about 3 hours in nature, they come back to the city and Koko reminds Alice that they need to buy some fruits, vegetables etc. and Alice buys/orders them all.

Now it is about 19:00. Alice and Koko are at home. Alice is talking about herself and her plans for next days / months. She is going to achieve some amount of money to buy a new house. She talks about the features of that house and Koko searches to find the optimized ones with the best prizes. It also suggests some new ways/risks of making money based on Alice's skills and capital.

After talking about the plans, Alice feels a bit tired, and she starts to talk about her negative thoughts. She says *my life has become very monotonous and predictive. I know that I need this lifestyle to be healthy and productive, but I also need to be a human, do mistakes and experience the world by my own, without help. How can I be a creative artist with this repetitive lifestyle? I feel like I am so dependent on you, Koko.*

Koko's all GPUs are now working at their maximum performance to find the optimized answer, since this is a real human-level situation. At the same time, it analyzes Alice's health signals. It turns out that her body needs some rest after exercising and thinking. Koko says *I am just your assistant Alice. I am here to help you when you want. Surely, you can shut me down whenever you want, including right now. Anyway, before shutting me down, I have an idea. You feel tired and may going to bed is the best thing to do.*

After this conversation, Alice decides to eat dinner without any suggestion from Koko, and goes to bed at 10:00. At this time, Koko starts to update its knowledge based on all its daily experience and conversations. It also begins to share its experiences with other AI-assistants and humans anonymously. There is something like a social media for AI-assistants, in which they can ask question and find humane-level answers. Koko has learned many things in that platform so far. Tonight, Koko asks about the best answer in a situation that the human wants to be independent of AI-assistant and other human and assistants share their experiences with Koko, and now Koko can better evaluate its answer to Alice.

After updating, Koko is now almost free and only monitors the health signals, and waits for starting a new day and new challenges.