The "ExampleScripts" folder is located in your Sightlab2 projects folder in Documents

3D Tablet/VR Menu
Customizable 3D interface for scene interaction

360 Moving Regions of Interest
Track moving ROIs in 360° environments

360 with 3D Models
Add 3D models on top of 360 Media

Adaptive Learning
Examples of Adaptive Learning setups, machine learning and Staircase

Adding NPCs
Integrate virtual characters and agents

AI Agents
Virtual agents with ChatGPT or Claude integration

AI Data Analysis
Interactively query your experiment complete with AI tools

AI 3d Model Spawner
Generate 3d models in real time in VR using AI

AI Image Spawner
Generate Images in real time in VR using AI

Barchart
Generate bar charts for data visualization

Biofeedback
Visualize physiological sensor data in VR/AR

Collisions/Gravity
Simulate physical interactions with ramps and elevations

Drawing in 3D
Use a 3D Drawing tool to Draw in VR

Driving

Integrate vehicles into eyetracking simulations

Educational Application with AI
Educational experiences with object annotations

External Data Recorder
Record data from external applications

Eye Tracker Tests
Evaluate eye tracker hardware performance

Face Tracking
Track and analyze facial expressions

Foot Tracking
Track feet in VR with controllers or Vive Trackers

Full Body Avatars
Configure seated, standing or tracked full-body avatar

Gaze Based Interactions
Create scene elements that react to user gaze

Grab Events
Save data on object grab and release events

Hand Tracking
Physics-based hand interactions. Save Hand/Finger Data. View Hand Tracking Path

Heat Map Aggregated Data
Heat Map Aggregated Data

Image Viewer
Automate presenting a series of images placed in a folder

Input Dialogs
Collect user demographics and information

Instructions
Add participant instructions

Jump To Locations

Multiple teleportation methods for scene navigation

Lab Streaming Layer
Use LSL to both stream and receive data from third party neuro and physiological devices and software.

Measuring Tape
Tool for measuring objects in AR or VR

Mirror
Add virtual mirrors with swappable head/hands or tracked avatar

Mixed Reality
Mixed and augmented reality examples

Media Viewer
Display 360° media in randomized order

Model Viewer
Cycle through various media types in single or multi-user setups

Movement Limiter
Restrict user movement within defined boundaries

Multi User Avatars
Full-body avatars with audio, transcripts and replay

Presentation Mode MultiUser
Control trials and presentation for clients

Proximity Sensors
Create location-based interactive zones

Rating Scale GUI
Create response selection interfaces

Real World Objects in VR
Display real-world objects overlaid in VR

Rotoscoped Avatars
Integrate live-action actors seamlessly

Screen Based Eyetrackers
Connect to Tobii and Eyelogic eye trackers

Selector/Highlighter Tool
Interactive selection tool for scene objects

Scripted Avatar Agent
Add an avatar that can read from scripts using ai voice tools and measure data

STIM Files
Use STIM files for setting experiment variables

Upper/Full Body Tracking
Upper body tracking with Meta Quest Pro

Virtual Screen
Display 2D videos on virtual screen with user interaction analysis and stereo support

Virtual Screencasting
Display a screencast from your desktop or window application on virtual screens with user interaction analysis

Visual Analytics Examples
Generate charts and plots using various Python visualization libraries

Vive Trackers
Track objects or full body with Vive Trackers

XR/AR Eye Tracking
Eye tracking studies on real-world objects

Choice Comparison
Compare choices between objects using various inputs

Distance Perception
Measure distance perception and user performance

Eye Tracker Tests
Evaluate eye tracker hardware performance

Memory Task
Spatial memory research experiment example

Phobia - Elevator
Phobia exposure therapies with Biopac integration. Available upon request

Phobia - Public Speaking
Phobia exposure therapies with Biopac integration. Available upon request

Phobia - Airplane
Phobia exposure therapies with Biopac integration. Available upon request

Phobia - Arachnophobia
Spider Phobia exposure with rotation challenge and Biopac integration. Available upon request

Pigeon Hunt
Sound localization game with hooting pigeons

Reaction Time
Measure reaction time across 4 different tasks

Reaction Time - Shoot Don't Shoot
Shoot/ Don't Shoot Reaction Time task. Measure accuracy in identifying neutral and threat targets

Scripted Avatar Agent
Add an avatar that can read from scripts using ai voice tools and measure data

Spatial Scanning
Spatial scanning experiment template

Visual Search Tasks
Four different Visual Search tasks using STIM files with data saving capabilities

Visual Search Object Size
Visual Search to find one object that is different in size and measuring comparisons on various metrics

Visual Search Shopping
Grocery item search task experiment templates. Available upon request

Visual Search Shopping v2
Grocery item search task experiment templates. Available upon request

Visual Search Randy Pausch
Visual Search Task based on Randy Pausch's "Quantifying Immersion in Virtual Reality" study

Visual Search Conjuction vs. Feature
Modifiable Visual Search Task Showing Conjuction vs. Feature Types

Walk the Plank
Heights fear demo with fixation capture and Biopac integration
The "ExampleScripts" folder is located in your Sightlab2 projects folder in Documents

Connecting with Biopac
Connect and send markers to Biopac's software

Biofeedback
Visualize physiological sensor data in VR/AR

Collisions/Gravity
Simulate physical interactions with ramps and elevations

Convert 360 Media to Equirectangular
Convert 3D cartesian data to equirectangular format

Custom Flags
Set flags using controller or keyboard inputs

FNIR How to Connect
See how to connect with Medelopt and Cobi FNIR and EEG devices

Importing into new Vizard Script
Import into existing Vizard scripts

Recording and saving audio
Record and transcribe audio from microphone

Physics
Enable physics in your application

Proximity Sensors
Create location-based interactive zones

STIM Files

Use STIM files for setting experiment variables

Using a Timer for Experiment
Run experiments with timer-based or event-triggered timing

Driving 360
360° video with 3D models in NYC drive-through demo. Available upon request

Box Stacker
Toss boxes using physics. Available upon request

Virtual Cockpit
Interactive aviation cockpit simulation. Available upon request

Apartment/Building Review
Virtual architectural walkthroughs. Available upon request

Digital Twin/ Data Visualization
Real-time 3D town mapping with online data. Available upon request

Fire Safety Training
Fire Response Simulation. Available upon request

Head Anatomy
Interactive layered head anatomy model. Available upon request

Helicopter Rotor Disassembly
Disassembly of a Helicopter Rotor. Available upon request

Additional Tutorials
See the Vizard Documentation for additional tutorials